

**IRIS  
CUSTOMER  
SUPPORT  
BULLETIN**

**November 1, 1983**



POINT 4 Data Corporation

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TECHNICAL  
MEMORANDUM

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TO: IRIS Subscription Service Customers  
FROM: IRIS Customer Support  
DATE: November 1, 1983  
SUBJ: CUSTOMER SUPPORT BULLETIN

I. IRIS SYSTEM UPDATES

A. CUSTOMER SUPPORT NEWS

B. SOFTWARE CHANGE ORDERS - R7.5

1. CONU75-00  
Problem: Identify SCOs released in the Customer Support Bulletin of November 1, 1983.
2. DSB175-04 (MARK 5 & 8 ONLY)  
Problem: 'REMOVE'ing a logical unit without \$LCM enabled causes unpredictable results (i.e., HALTs and loops).
3. LCM75-05 (MARK 5 & 8 ONLY)  
Problem: A2 not restored upon returning to REX causes system to hang in loop waiting for disc to become ready.
4. M3DUTL32SA-01 (MARK 3 ONLY)  
Problem: Seek error causes program to abort because interrupt pending was not reset before entry.
5. M3DUTL32SA-02 (MARK 3 ONLY)  
Problem: Disc drive not deselected properly following SAVE or RESTORE.
6. M3DUTL32SA-04 (MARK 3 ONLY)  
Problem: On VERIFY, occasionally streamer tape oscillates due to interrupts from uninitialized mux ports.
7. M3DUTL32SA-05 (MARK 3 ONLY)  
Problem: CONVERT LOTUS program reporting hard errors erroneously.

**C. SOFTWARE CHANGE ORDERS - R8.2**

**1. LINKP82-03**

Reissue of enhancement to search a default LU during a chain if program not found on assigned LU (correction to contents of address 13260 from 31400 to 34100).

**D. SOFTWARE CHANGE ORDERS - R8.2 BASIC PROGRAMS**

**1. Patching BASIC Programs**

**2. Patch to GUIDE.BLOCKCPY**

**3. Patch to LCMCHECK**

**4. Patch to SU112A**

**II. DOCUMENTATION UPDATES**

**A. IRIS R8 DOCUMENTATION**

**1. IRIS R8 Peripherals Handbook Update Package, Rev 09**

**2. Tech Memo Update Package: R7-to-R8 Conversion Tools, Rev 02**

**3. Tech Memo Update Package: Modifying \$CALLTBL, Rev 02**

**4. New R8.2 Tech Memos:**

a. Creating a DISCSUBS.USER File

b. Setting SPED for CPU Type

c. Updated SETUP Software

d. Mux 310 Diagnostics Program Checksum

**B. IRIS R7.5 DOCUMENTATION**

**1. IRIS R7.5 Release Notes Update Package**

**C. STAND-ALONE PROGRAM DOCUMENTATION**

**1. MARK 3 DISCUTILITY V3 Options Flag**

**D. PUBLICATIONS BULLETIN**

### **III. APPLICATIONS UPDATES**

#### **A. APPLICATIONS SUPPORT BULLETIN**

1. Procedure for Patching BASIC Programs
2. Patch to ABASIC.1 (1 of 3)
3. Patch to ABASIC.1 (2 of 3)
4. Patch to ABASIC.1 (3 of 3)
5. Patch to ABASIC.4
6. Patch to FS101MAKE
7. Patch to GUARD
8. Patch to T.BUILDPF
9. Release of FORCE 1.C
10. BASIC Partition Size for TYPIST



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**CUSTOMER SUPPORT NEWS**

**November 1, 1983**

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**TEMPLATES** - The IRIS R8 Templates (and Master Packs) are updated with current software change orders at least every other month. The next update will be in December. Any patches listed under "Additional SCOs" in the Customer Support Bulletin are not included in the current template and have not been through the complete QA procedure. Such SCOs will appear in the Release Notes.

**SPED** - Our support analysts note that they see many configurations which do not have the SPED cell (601) in CONFIG set correctly. This cell must be set for the CPU on which the system is running. Please see the technical memo in this bulletin.

**SETUP** - Our configuration utility has been shipped PROTECTED. We welcome any comments or suggestions for future enhancements.

**STREAMER** - We supply a 1/2" streamer backup utility at no charge for our customers' convenience. This software is supplied with limited support. We are aware of a major problem with STREAMER error handling and are working on a complete solution. In the interim, the following patch will cause the software to 'reset' if a tape error occurs. This will prevent you from getting a bad copy of a disc without knowing it.

<u>Loc</u>	<u>New Contents</u>	
3150	2	; restart utility

**\$MK8** - We are aware of a problem with \$MK8 under R8.2. The symptoms range from occasional traps (usually 17) to loss of data files. Thus far, one error has been identified which may be fixed with the following patch:

<u>Loc</u>	<u>New Contents</u>	<u>Old Contents</u>
35567	135637	173202

It has not yet been determined whether this is the only problem. We will keep you informed of our progress. The most secure "work around" is to use \$DEC rather than \$MK8.





**R7.5 SCOs**

**November 1, 1983**



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T E C H N I C A L  
M E M O R A N D U M

TO: IRIS System Managers  
FROM: IRIS Customer Support  
DATE: Revised November 1, 1983  
SUBJ: INSTALLING SCOs

This Customer Support Bulletin contains a number of Software Change Orders (SCOs). It is imperative that every SCO which pertains to the version of IRIS (R7.5 or R8.2) on your system be installed unless the SCO is marked as optional, or special instructions specify a configuration that is different from your system. Future SCOs will assume that all previous SCOs have been installed.

The procedure for installing Software Change Orders is as follows:

1. Back up your system and data.
2. Ensure that you are the only one on the system.
3. Enter DSP and do not exit until all the updates have been entered.
  - a. Compare the contents of each location with the old contents listed on the patch.

**NOTE**

If the old contents do not agree, do not apply the patch! Call IRIS Customer Support.

- b. If old contents agree, enter the patch.
  - c. Exit DSP.
4. SHUTDOWN and do an IPL to effect the changes in your system.



## Point 4 Data Corporation

```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by_____ Date__/_/___
| Master File
| Name _____
+-----+

```

Patch #: CONU75-00  
Product: CONFIG  
Detail:  
Asm Date: 11-6-81 Release #: R7.5  
Update Date: 1-Nov-83 By: RDC

Problem: TO IDENTIFY PATCHES RELEASED IN CUSTOMER SUPPORT BULLETIN OF NOVEMBER 1, 1983.

Special Instructions: IF OLD CONTENTS DO NOT AGREE DO NOT ENTER ANY PATCHES IN THIS BULLETIN! CALL CUSTOMER SUPPORT.

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
600	102660		76720

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+--- P4DC production manager only ---+		Patch #: DSB175-04
Status _____		Product: REMLCM
Production System		Detail: DISCSUBS
Update by _____ Date__/__/__		Asm Date: 3234 Release #: 7.5
SCO # _____ Date__/__/__		Update Date: 30-Sep-83 By: RLBl
Master File		
Update by _____ Date__/__/__		
Master File		
Name _____		

Problem: 'REMOVE'ing A LOGICAL UNIT WITHOUT \$LCM ENABLED CAUSES UNPREDICTABLE RESULTS (HALTS, & LOOPS).

Special Instructions: FOR DYNAMIC LCM ONLY! IF OLD CONTENTS DO NOT AGREE DO NOT ENTER THIS PATCH.

Location	New Contents	Comments	Old Contents
(Octal)	(Octal a/o Symbolic)	(Describe Solution)	
041105	6137	JMP @.NRET	002423

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```

+--- P4DC production manager only ---+   Patch #: LCM75-05
|                                         |
| Status _____                     |   Product: LCM
| Production System                     |
| Update by _____ Date__/__/__   |   Detail: R75LCMSK/A.LCM.3220
|                                         |
| SCO # _____ Date__/__/__       |   Asm Date: 3220   Release #: 7.5
| Master File                           |
| Update by _____ Date__/__/__   |   Update Date: 19-Sep-83   By: RLB1
| Master File                            |
| Name _____                     |
+-----+

```

Problem: A2 NOT RESTORED UPON RETURNING TO REX CAUSES SYSTEM TO HANG IN LOOP  
WAITING FOR DISC TO BECOME READY.

Special Instructions: FOR DYNAMIC LCM ONLY! IF OLD CONTENTS DO NOT AGREE  
DO NOT APPLY THIS PATCH.

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
010251	1107	;11551-10442	000000
010252	413	;11055-10442	000000
011055	LDA 2,11147	;DYNA2	77377
011056	2401	;	77377
011057	7240	;	77377

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```

+--- P4DC production manager only ---+   Patch #: M3DUTL32SA-01
|                                         |
| Status _____                     |   Product: M3DUTL
| Production System                     |
| Update by _____ Date__/__/__    |   Detail: DISCUTILITY/M3DVR3.2
|                                         |
| SCO # _____ Date__/__/__        |   Asm Date: 3152  Release #: V 3.2
| Master File                           |
| Update by _____ Date__/__/__    |   Update Date: 25-Jul-83  By: JASA
| Master File                           |
| Name _____                       |
+-----+

```

Problem: Seek error causes program to abort because interrupt pending was not reset before retry.

Special Instructions: For Mark 3 Discutality V 3.2 ONLY !!

Do not apply patch if old contents do not agree.

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
011750	JSR 340	;TO PATCH	000432
;;			
011767	JSR 340	;TO PATCH	000413
;;			
012140	JSR 340	;TO PATCH	000642
;;			
000340	SUB 0,0	;	077377
000341	DOBC 0,77	;RESET INT. PENDING	077377
000342	JMP @.+1	;RETURN TO RETRY	077377
000343	12002	;	077377



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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date__/__/__
|
| SCO # _____ Date__/__/__
| Master File
| Update by_____ Date__/__/__
| Master File
| Name _____
+-----+
Patch #: M3DUTL32SA-02
Product: M3DUTL
Detail: DISCUTILITY/M3DTP3.2
Asm Date: 3152 Release #: V 3.2
Update Date: 08-Aug-83 By: JASB

```

Problem: Disc drive not deselected properly following SAVE or RESTORE.

Special Instructions: For Mark 3 Discutality V 3.2 ONLY !!

Do not apply patch if old contents do not agree.

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
007212	JSR 344	;TO PATCH	061052
;;			
000344	SUB 0,0	;	077377
000345	DOA 0,52	;DESELECT DRIVE	077377
000346	JMP 0,3	;RETURN	077377

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```

+--- P4DC production manager only ---+   Patch #: M3DUTL32SA-04
|                                         |
| Status _____                     |   Product: M3DUTL
| Production System                     |
| Update by _____ Date__/__/__    |   Detail: DISCUTILITY/M3DTP3.2
|                                         |
| SCO # _____ Date__/__/__        |   Asm Date: 3152  Release #: V 3.2
| Master File                           |
| Update by _____ Date__/__/__    |   Update Date: 14-Sep-83  By: RMSB
| Master File                           |
| Name _____                      |
+-----+

```

Problem: On VERIFY occasionally streamer tape will oscillate due to attention interrupts from uninitialized mux ports.

Special Instructions: For Mark 3 Discutility V 3.2 ONLY !!

This patch totally replaces patch #M3DUTL32SA-03

```

+-----+-----+-----+-----+
| Location | New Contents | Comments | Old |
| (Octal) | (Octal a/o Symbolic) | (Describe Solution) | Contents |
+-----+-----+-----+-----+
| 000335 | 27353 | ;vector to patch | 77377 |
+-----+-----+-----+-----+
;;
+-----+-----+-----+-----+
| 027353 | IORST | ;(62677) | 77377 |
+-----+-----+-----+-----+
| 027354 | LDA 1,27367 | ;(24413) start with port #0 | 77377 |
+-----+-----+-----+-----+
| 027355 | STA 1,+.3 | ;(44403) | 77377 |
+-----+-----+-----+-----+
| 027356 | LDA 3,27370 | ;(34412) 6 ports | 77377 |
+-----+-----+-----+-----+
| 027357 | LDA 0,41 | ;(20041) master reset(see | 77377 |
+-----+-----+-----+-----+
| 027360 | DOA 0,12 | ;(61012) Mark 3 manual) | 77377 |
+-----+-----+-----+-----+
| 027361 | ISZ .-1 | ;(10777) update DOA nxt prt | 77377 |
+-----+-----+-----+-----+
| 027362 | ISZ .-2 | ;(10776) status is even dev | 77377 |
+-----+-----+-----+-----+
| 027363 | INC 3,3,SZR | ;(175404) done yet ? | 77377 |
+-----+-----+-----+-----+
| 027364 | JMP .-4 | ;(774) no | 77377 |
+-----+-----+-----+-----+
| 027365 | 2401 | ; | 77377 |
+-----+-----+-----+-----+
| 027366 | 747 | ; | 77377 |
+-----+-----+-----+-----+
| 027367 | DOA 0,12 | ;(61012) strt with 2nd port | 77377 |
+-----+-----+-----+-----+

```

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Patch #: M3DUTL32SA-04

Product: M3DUTL Asm Date: 3152 Release #: V 3.2

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
027370	177772	;6 ports 1-7	77377
;;			
000746	JMP @335	;(2335) branch to patch	062677

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by_____ Date__/_/___
| Master File
| Name _____
+-----+

```

Patch #: M3DUTL32SA-05

Product: M3DUTL

Detail: DISCUTILITY/M3DRT3.2

Asm Date: 3152 Release #: V 3.2

Update Date: 22-Sep-83 By: JASC

Problem: CONVERT LOTUS reporting hard errors erroneously.

Special Instructions: FOR MARK 3 SYSTEMS ONLY. DO NOT APPLY THIS PATCH IF THE OLD CONTENTS DO NOT AGREE !

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
005575	JMP 5603	;	001401
;;			
005725	JSR @247	;	006246

**R8.2 SCOs**

**November 1, 1983**



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T E C H N I C A L  
M E M O R A N D U M

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TO: IRIS System Managers  
 FROM: IRIS Customer Support  
 DATE: Revised November 1, 1983  
 SUBJ: INSTALLING SCOs

This Customer Support Bulletin contains a number of Software Change Orders (SCOs). It is imperative that every SCO which pertains to the version of IRIS (R7.5 or R8.2) on your system be installed unless the SCO is marked as optional, or special instructions specify a configuration that is different from your system. Future SCOs will assume that all previous SCOs have been installed.

The procedure for installing Software Change Orders is as follows:

1. Back up your system and data.
2. Ensure that you are the only one on the system.
3. Enter DSP and do not exit until all the updates have been entered.
  - a. Compare the contents of each location with the old contents listed on the patch.

NOTE

If the old contents do not agree, do not apply the patch! Call IRIS Customer Support.

- b. If old contents agree, enter the patch.
- c. Exit DSP.
4. SHUTDOWN and do an IPL to effect the changes in your system.





## Point 4 Data Corporation

```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date__/_/_
|
| SCO # _____ Date__/_/_
| Master File
| Update by_____ Date__/_/_
| Master File
| Name _____
+-----+
Patch #: LINKP82-03
Product: LINKP
Detail: DISCSUBS
Asm Date: 3120 Release #: 8.2
Update Date: 25-Aug-83 By: RLB

```

Problem: SEARCH DEFAULT-LU DURING A CHAIN IF PROGRAM NOT FOUND ON ASSIGNED-LU.

Special Instructions: PUT DEFAULT LU# IN WORD 620 OF CONFIG FILE.

<Companion is patch SCOPE82-01> This patch is to DISCSUBS.

REISSUED FOR A CORRECTION TO THE OCT 1, 1983 CSB. ONLY THE CONTENTS OF ADDRESS 13260 HAS BEEN CHANGED FROM 31400 TO 34100.

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
012404	177105	;	177127
;;			
012432	6136	;	006101
012433	616	;	000003
;;			
013251	54420	;	77377
013252	44420	;	77377
013253	6101	;	77377
013254	3	;	77377
013255	403	;	77377
013256	10413	;	77377
013257	2412	;	77377
013260	34100	;	77377
013261	21420	;	77377
013262	101435	;	77377

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REISSUED FOR A CORRECTION TO THE OCT 1, 1983 CSB. ONLY THE CONTENTS OF ADDRESS 13260 HAS BEEN CHANGED FROM 31400 TO 34100.

Patch #: LINKP82-03

Product: LINKP Asm Date: 3120 Release #: 8.2

Location (Octal)	New Contents (Octal a/o Symbolic)	Comments (Describe Solution)	Old Contents
013263	2406	;	77377
013264	24406	;	77377
013265	6101	;	77377
013266	3	;	77377
013267	2402	;	77377
013270	766	;	77377
013271	0	;	77377
013272	0	;	77377

## **R8.2 BASIC PROGRAM SCOs**

**November 1, 1983**



**POINT 4 Data Corporation**

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```

TO: All IRIS Users  
FROM: Systems Software Department  
DATE: NOVEMBER 1, 1983  
SUBJ: Patching BASIC Programs

Making patches to a protected BASIC program is a one-way street. That is, if an error is made during the patch process, such as entering a patch with the wrong line number, you can destroy program code that cannot be restored. In an effort to help you avoid possible errors, we propose the following procedure.

STEP 1. Use the COPY command to make a copy of the BASIC program module to be patched. Copy the program to another or the same Logical Unit, but give it a new name.

EXAMPLE: #COPY LU/PROGRAM.BU=LU/PROGRAM

NEVER patch this backup program !!

STEP 2. Create an IRIS text file consisting of all the patch lines of code for the module. Note---REM lines are optional, but may be included for documentation purposes. Be sure to enter each patch line into the text file in the same order shown on the patch listing. If lines are NOT entered in the same order shown, the new check code may not match.

STEP 3. Bring the program module into BASIC, load the patch text file, and SAVE the program under the original name.

EXAMPLE: #BASIC LU/PROGRAM  
LOAD LU/Patchfile  
EXIT  
#SAVE LU/PROGRAM!

IRIS will respond with: SAVED !! CHECK CODE = NNNN

NOTE: The "EXIT" command is used in IRIS R8 only. In IRIS 7.5, use a "CONTROL C" to return to SCOPE.

Keep the copy of the unpatched program available. Also, keep the patch text file on your system and use it to enter any subsequent patches to the same program.

If the above procedure is followed, your BASIC programs should be patched without error and the CHECK CODES will agree.

For the Applications Packages (STYLUS, TYPIST and FORCE) the patcher utility programs supplied with the Application Package should be used to apply any patches.

**POINT 4 DATA CORPORATION**

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**TO:** All IRIS 8.2 Users

**FROM:** Applications Software Department

**DATE:** NOVEMBER 2, 1983

**SUBJ:** Patch to GUIDE.BLOCKCPY

This patch is for the BASIC program 'GUIDE.BLOCKCPY'. It should only be applied if your operating system is IRIS 8.2.

**DO NOT** apply this patch if your operating system is not IRIS 8.2.

**DO NOT** apply this patch if you old and new check codes are different than listed below.

This patch should be applied using the procedure for patching BASIC programs described in this bulletin.

```
60 REM PROGRAM NAME:  GUIDE.BLOCKCPY
60 REM
60 REM DATE CREATED:  10-2-83
60 REM
60 REM OLD CHECK CODE:  7326
60 REM NEW CHECK CODE:  A9DE
60 REM
60 REM REMARK:  PATCH TO CORRECT DIM STATEMENT
60 REM
60 DIM A$(200),L$(4),R1$(10),X$(20),Y(20)
```





POINT 4 DATA CORPORATION

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TO: All IRIS R8.2 Users  
FROM: Applications Software Department  
DATE: November 1, 1983  
SUBJ: PATCH TO LCMCHECK INCLUDED IN THE OCTOBER 1, 1983  
IRIS CUSTOMER SUPPORT BULLETIN

The October 1983 Bulletin included a patch for LCMCHECK and gave the old check code as 125C7. If your old check code is not 125C7 but the original program contains the following statements

```
80 DIM S$( 720), S( 60)
1190 LET N[25]=X
1220 LET N[26]=X
1250 LET N[27]=X
1280 LET N[28]=X
1310 LET N[29]=X
1340 LET N[30]=X
1370 LET N[31]=X
1400 LET N[32]=X
1430 LET N[33]=X
1460 LET N[34]=X
1490 LET N[35]=X
1640 LET X=FNM(75)
3620 IF X<720 GOTO 3560
```

the patch for LCMCHECK published in the October 1, Customer Support Bulletin may be applied. For your convenience that patch is as follows:

```
80 REM PROGRAM NAME: LCMCHECK
80 REM
80 REM DATE CREATED: 9/20/83
80 REM OLD CHECK CODE: 125C7
80 REM NEW CHECK CODE: 11804
80 REM REMARK: LCMCHECK REPORTS INVALID INFO
80 REM
80 DIM S$(1008),S[84]
1190 LET N[25]=-4
1220 LET N[26]=-3
1250 LET N[27]=-2
1280 LET N[28]=-1
1310 LET N[29]=-4
1340 LET N[30]=-3
1370 LET N[31]=-2
1400 LET N[32]=-1
1430 LET N[33]=63
1460 LET N[34]=4
1490 LET N[35]=2
1640 LET X=FNM(76)
3620 IF X<1008 GOTO 3560
```



POINT 4 DATA CORPORATION

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TO: All IRIS 8.2 Users  
FROM: Applications Software Department  
DATE: NOVEMBER 2, 1983  
SUBJ: Patch to SULL12A

This patch is for BASIC program 'SULL12A'. It should only be applied if your operating system is IRIS 8.2 and the check code for SULL12A matches the **OLD CHECK CODE** in the patch below.

**DO NOT** apply this patch if your software does not meet these specifications.

The patch should be applied using the procedure for patching BASIC programs described in this bulletin.

```
5090 REM PROGRAM NAME: SULL12A
5090 REM
5090 REM DATE: 8/19/83
5090 REM IRIS 8.2 ONLY
5090 REM
5090 REM OLD CHECK CODE: 11492
5090 REM NEW CHECK CODE: 9062
5090 REM
5090 PRINT @ 58,2;" 0 - NO TRANSLATION"@ 58,3;"17 - ADDS";
5100 PRINT @ 58,6;"12 - BEEHIVE100"@ 58,7;"13 - DG6052/6053";
5105 PRINT @ 58,8;"21 - DIALOGUE80"@ 58,9;" 6 - ELITE1520A";
5115 PRINT @ 58,12;"14 - HAZELTINE1500"@ 58,13;"11 - HAZELTINE2000";
5120 PRINT @ 58,14;"15 - MT ACT-V"@ 58,15;" 1 - SOROC IQ120";
5125 PRINT @ 58,16;"16 - TV912/920"@ 58,17;" 4 - TV950";
5130 PRINT @ 58,18;"10 - VT100";
```

