



Apple Service
Technical Procedures
Lisa/Macintosh XL

Lisa Level I
Technical Procedures
#072-0085

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Revision: October 1984

LISA TECHNICAL PROCEDURES MANUAL

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June 1986

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```

Proportional print. . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
                    1234567890!@#%&^*()-_+=[]{};:,.<>/?
PICA (80). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
              1234567890!@#%&^*()-_+=[]{};:,.<>/?
ELITE (96). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
              1234567890!@#%&^*()-_+=[]{};:,.<>/?
Compressed. . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
              1234567890!@#%&^*()-_+=[]{};:,.<>/?
SPECIAL (120). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
                 1234567890!@#%&^*()-_+=[]{};:,.<>/?
SPECIAL (72). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
                1234567890!@#%&^*()-_+=[]{};:,.<>/?
SPECIAL (144). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
                 1234567890!@#%&^*()-_+=[]{};:,.<>/?

```

...Double width.

```

Proportional print. ABCDEFGHIJKLMNOPQRSTUVWXYZab#
PICA (80). . ABCDEFGHIJKLMNOPQRSTUVWXYZa.#
ELITE (96). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcde f#
Compressed. . ABCDEFGHIJKLMNOPQRSTUVWXYZabcde fghi jk lmnopqrstuvwxy#
SPECIAL (120). . ABCDEFGHIJKLMNOPQR#
SPECIAL (72). . ABCDEFGHIJKLMNOPQRSTUVWXYZabcde fghi jk lmnopq#
SPECIAL (144). . ABCDEFGHIJKLMNOPQRSTUVWXYZ#

```

Proportional print with dots between characters set.

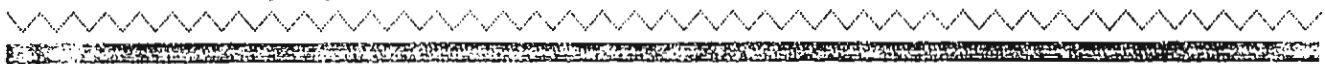
```

6 123456789:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^_`
   abcdefghijklmnopqrstuvw xyz{ }~
5 123456789:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^_`
   abcdefghijklmnopqrstuvw xyz{ }~
4 123456789:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^_`
   abcdefghijklmnopqrstuvw xyz{ }~
3 123456789:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^_`
   abcdefghijklmnopqrstuvw xyz{ }~
2 123456789:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^_`
   abcdefghijklmnopqrstuvw xyz{ }~
1 123456789:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^_`
   abcdefghijklmnopqrstuvw xyz{ }~

```

Bit image graphics test.

...Scale IIII



Bit Mapped Characters



Proportional #1 Bit Mapped Characters

PICA (80) Bit Mapped Characters

ELITE (96) Bit Mapped Characters

Compressed Bit Mapped Characters

SPECIAL (120) Bit Mapped Characters

SPECIAL (72) Bit Mapped Characters

Proportional #2 Bit Mapped Characters

Down-loaded character set test.

...Standard character set.

```

! " # $ % & ' ( ) * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E F G H I J K L M N O P
Q R S T U V W X Y Z [ \ ] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z { | } ~

```

...Down-loaded character set, 1-to-8 bits.

```

! " # $ % & ' ( ) * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E F G H I J K L M N O P
Q R S T U V W X Y Z [ \ ] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z { | } ~

```

