

# **RT-11 Autopatch Release Notes**

AA-K388G-TC

**July 1982**

This manual summarizes information specific to RT-11 V4.0 Autopatch Kit G. This manual supersedes the *RT-11 Autopatch Release Notes*, Order No. AA-K388F-TC.

**Operating System:** RT-11 Version 4.0

**Software:** Autopatch Kit G

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## PREFACE

This manual provides information specific to Autopatch Kit G. It is to be used with the RT-11 Autopatch User's Guide.

Chapter 1 contains the following general information:

- List of software products patched by Autopatch Kit G
- List of software products that have added patches to the Autopatch kit since the previous Autopatch kit was released
- Number of free blocks required for each product's work space during patching operations
- Number of volumes Autopatch Kit G occupies on each type of distribution medium
- List of changes to RT-11 Autopatch software and documentation

### NOTE

RT-11 V4.0 has a new distribution kit that is necessary for all future RT-11 patches, whether installed by Autopatch or installed manually with RT-11 Software Dispatch articles. See Section 1.5 of this manual for more information on the new distribution kit and its effect on Autopatch.

Chapter 2 relates the patches provided on the Autopatch kit to the patches published in the RT-11 Software Dispatch.

Chapter 3 provides kit maps for each type of distribution medium.



CHAPTER 1  
GENERAL INFORMATION

The information in this chapter identifies the distribution kits you can patch with Autopatch, helps you decide where to locate the work space, and lists the number of volumes in each type of Autopatch kit.

1.1 PRODUCTS PATCHED BY AUTOPATCH KIT G

Autopatch Kit F includes patches published in the RT-11 Software Dispatch through July 1982 for the following products:

- RT-11 V4.0
- FORTRAN IV/RT-11 V2.5
- BASIC-11/RT-11 V2.0

1.2 PRODUCTS WITH NEW PATCHES ON AUTOPATCH KIT G

The following software products have added patches to the Autopatch kit since the last release of Autopatch.

- RT-11 V4.0
- FORTRAN IV/RT-11 V2.5

You do not need to run the Autopatch kit with any software products that have no new patches and that you have previously patched with Autopatch. However, check the RT-11 Software Dispatch for articles about patches that have not yet been included on the Autopatch kit. You may need to manually install those patches to maintain your software at current patch levels.

1.3 NUMBER OF FREE BLOCKS REQUIRED FOR THE WORK SPACE

The information in this section will help you determine whether either your Autopatch volume or your distribution volume contains enough free blocks to use as a work space. If neither volume contains the required number of free blocks, as specified in Table 1-1, you must use a separate volume as a work volume.

## GENERAL INFORMATION

Table 1-1  
Work Space Free Block Requirements

Product Being Patched	Work Space Location	Number of Free Blocks Required
RT-11 V4.0	Distribution disk	600
	Autopatch disk	300
	Separate work volume	300
FORTRAN IV/RT-11 V2.5	Distribution disk	300
	Autopatch disk	300
	Separate work volume	300
BASIC-11/RT-11 V2.0	Distribution disk	300
	Autopatch disk	300
	Separate work volume	300

### 1.4 NUMBER OF VOLUMES IN AUTOPATCH KIT G

The following list indicates how many volumes you will need to make a backup copy of Autopatch Kit G for each type of storage medium from which you can run Autopatch.

<u>Medium</u>	<u>Number of Volumes</u>
DECTape II Cartridges	3
Single-Density Diskettes	3
Double-Density Diskettes	2
RK05	1
RK06	1
RK07	1
RL01	1
RL02	1
RP03	1

### 1.5 CHANGES AND ADDITIONS TO AUTOPATCH

The following changes have been made to Autopatch and to the RT-11 Autopatch User's Guide:

- The Autopatch system volume (volume 1) can now run in any drive unit that Autopatch supports; it need not reside in unit 0. Refer to Table 1-1 in the RT-11 Autopatch User's Guide for a list of Autopatch-supported devices and unit numbers.

Instructions and error messages in the RT-11 Autopatch User's Guide that indicate you must run the Autopatch system volume in drive unit 0 no longer apply.

## GENERAL INFORMATION

- In Appendix A of the RT-11 Autopatch User's Guide, the last paragraph of Section A.2.1, One-Line Error Messages, is incorrect. It should read as follows:

If you receive any messages prefixed by ?IND that do not appear in this appendix, either the Autopatch system volume has been removed at an inappropriate time or an Autopatch software error has occurred. Either situation causes a fatal error condition. Make sure that the right volumes are mounted and that the Autopatch system volume has not been removed unless the Autopatch dialog has instructed you to do so. If the correct volumes are in place, an Autopatch software error has occurred. You will not be able to recover from this type of error; submit an SPR to DIGITAL if this happens.

- The Autopatch messages notifying you to mount new volumes, as described in Section 4.1 of the RT-11 Autopatch User's Guide, have changed. The new format of the messages is as described below and in Section 4.2:

\* Mount <VOLUME> in xxn:. Continue? [Y/N]:

Section B.1 (Appendix B) of the RT-11 Autopatch User's Guide provides a sample session that includes the old messages. The messages which now appear follow the format shown above.

- When you patch BASIC-11/RT-11 with Autopatch, the resulting patched kit is identical in function to a kit patched manually. However, if you use BINCOM to compare the two kits, differences are found.
- When you patch FORTRAN IV/RT-11 or BASIC-11/RT-11 with Autopatch, you can back up the distribution kit on double-density diskettes. However, the backup copy and the original distribution kit must be identical. For example, if your single-density RX01 FORTRAN IV/RT-11 distribution kit includes three volumes and you want the backup copy to reside on double-density diskettes, the backup copy must also include three volumes. Each volume of the backup copy must contain the same files in the same order as the corresponding volume of the single-density distribution kit.

If you mount your backup distribution kit for FORTRAN or BASIC on device DY, the following question will no longer be printed:

; On which type of medium does the <PRODUCT> kit reside?  
; 1 = single density (RX01) 2 = double density (RX02)  
\* Enter 1 or 2. [0]:

- DIGITAL has updated the RT-11 V4.0 distribution kit. Since it is very important that you know which version you are working with, check the monitor name and version number displayed when you bootstrap your RT-11 system volume. The outdated kit displays "RT-11SJ V04.00"; the updated kit displays "RT-11SJ V04.00C." This change has implications both for Autopatch users who already have an RT-11 distribution volume and for new RT-11 users.

## GENERAL INFORMATION

### Instructions for Users Who Have the Outdated RT-11 Distribution Kit (RT-11SJ V04.00)

You must run Autopatch Kit G and subsequent Autopatch kits with a copy of your distribution kit that includes all mandatory patches through Kit E. Install mandatory patches by running Autopatch Kit E with the RT-11 distribution kit. Refer to the RT-11 Autopatch User's Guide for instructions on running Autopatch.

The resulting kit is your updated RT-11 distribution kit. Make a backup copy of this kit and store the original. Then run Autopatch Kit G with the backup copy of the updated RT-11 distribution kit, and finally, install any optional patches you want.

### Instructions for Users Who Receive the New RT-11 Distribution Kit (RT-11SJ V04.00C)

If you have received the new RT-11 distribution kit you can run Autopatch with a backup copy of your distribution kit, as described in the RT-11 Autopatch User's Guide. If you do not buy Autopatch, you must patch the distribution kit as instructed in the RT-11 Software Dispatch.

- The FORTRAN optional patches on Autopatch Kits B, C, D, E, and F are incorrect. They have been corrected on Autopatch Kit G.

## CHAPTER 2

### TABLES OF PATCHES

This chapter relates the patches provided on the Autopatch kit to the patches published in the RT-11 Software Dispatch. This information helps you determine which software components have been updated, what the edit level of a particular component is, how to rebuild modules when necessary, or which published patches have not yet been included on the Autopatch kit.

#### 2.1 MANDATORY PATCHES

Table 2-1 lists the mandatory patches that are automatically installed when you run Autopatch Kit G. The first column identifies the modules patched by this kit. The second column lists the Autopatch kit files that contain the patches to the modules. Autopatch uses some RT-11 modules, which are at current patch levels. Since Autopatch simply copies them onto the RT-11 distribution kit, no patch files exist for these modules. An asterisk (\*) following the patch file name indicates that the patch file is completely new or has been modified since the last Autopatch kit was released. The third column is reserved for indicating which modules must be rebuilt after running Autopatch. For Autopatch Kit G, it is not necessary to rebuild any RT-11 modules. However, if you normally perform a system generation, you must perform another system generation after the Autopatch session completes.

#### NOTE

If you patch FORTRAN IV or BASIC-11, you must always rebuild the FORTRAN compiler or BASIC interpreter after running Autopatch.

The fourth column provides the sequence numbers of the corresponding RT-11 Software Dispatch articles, as listed in the cumulative index of each issue. Note that since the patches are cumulative, one patch file contains the equivalent of all the published patches for each module.

TABLES OF PATCHES

Table 2-1  
Mandatory Patches

Module Name	Patch File	Module Rebuild Required	RT-11 Software Dispatch Article Sequence Number
<b>RT-11 V4.0</b>			
PIP.SAV	070100.010	-	7.1.10
DUP.SAV	None	-	7.2.13
LINK.SAV	070900.010*	-	7.9.10
SYSMAC.MAC	090100.004	-	9.1.4
SYSMAC.SML	090101.004	-	9.1.4
SYSTBL.CND	100300.003	-	10.3.3
ERROUT.MAC	140600.001*	-	14.6.1
<b>FORTRAN IV/RT-11 V2.5</b>			
F1.OBJ	450102.005	-	45.1.5
	450102.010	-	45.1.10
F3.OBJ	450104.006	-	45.1.6
F5.OBJ	450106.008	-	45.1.8
F7.OBJ	450108.002	-	45.1.2
F8.OBJ	450109.002	-	45.1.2
F9.OBJ	450110.012*	-	45.1.3, 45.1.12
FROOT.OBJ	450100.012*	-	45.1.2, 45.1.3, 45.1.4, 45.1.5, 45.1.6, 45.1.7, 45.1.8, 45.1.9, 45.1.10, 45.1.11, 45.1.12
FPU	450203.010	-	45.2.10
LOOP	450112.004	-	45.1.4
	450112.009	-	45.1.9
F11.OBJ	450113.011*	-	45.1.7, 45.1.11
OTSCOM	450211.021*	-	45.2.1, 45.2.2, 45.2.4, 45.2.5, 45.2.7, 45.2.8, 45.2.9, 45.2.11, 45.2.12, 45.2.13, 45.2.14, 45.2.15, 45.2.16, 45.2.17, 45.2.18, 45.2.19, 45.2.20
UNI	450205.006	-	45.2.6
UIOBYT	450212.021*	-	45.2.21
<b>BASIC-11/RT-11 V2.0</b>			
BSPAT.OBJ	350100.022	-	35.1.18, 35.1.22
BSPR1.OBJ	350101.020	-	35.1.2, 35.1.20
BSRSQ.OBJ	350102.010	-	35.1.3, 35.1.10
BSE0.OBJ	350103.004	-	35.1.4
BSR0D.OBJ	350104.011	-	35.1.5, 35.1.11
SUIOPO.OBJ	350105.015	-	35.1.6, 35.1.8, 35.1.15
BSR0S.OBJ	350106.011	-	35.1.7, 35.1.11
BSE1.OBJ	350107.017	-	35.1.9, 35.1.11, 35.1.17

(Continued on next page)

## TABLES OF PATCHES

Table 2-1 (Cont.)  
Mandatory Patches

Module Name	Patch File	Module Rebuild Required	RT-11 Software Dispatch Article Sequence Number
BSFUNC.OBJ	350108.012	-	35.1.12
BSCLS.OBJ	350109.013	-	35.1.13
BSX0A.OBJ	350110.022	-	35.1.14, 35.1.22
BSX0B.OBJ	350111.018	-	35.1.18
BSOT0S.EAE	350112.018	-	35.1.18
BSOT0D.EAE	350113.018	-	35.1.18
BSOT0S.EIS	350114.018	-	35.1.18
BSOT0D.EIS	350115.018	-	35.1.18

### 2.2 OPTIONAL PATCHES

The optional patches published in the RT-11 Software Dispatch are provided on the Autopatch kit in machine-readable form so you do not have to type them. However, since your configuration determines whether or not you must install optional patches, Autopatch does not automatically install optional patches. You must use RT-11 software to install these patches.

Table 2-2 lists the optional patches on the Autopatch kit. The first column identifies the modules that can be patched with optional patches supplied on the kit. The second column lists the files on the Autopatch kit that contain the optional patches. An asterisk (\*) following the patch file name indicates that the patch file is new or has been modified since the last Autopatch kit was released. The third column is reserved for indicating which modules must be rebuilt after installing the optional patches. The fourth column provides the sequence numbers of the corresponding RT-11 Software Dispatch articles, as listed in the cumulative index of each issue.

Read the RT-11 Software Dispatch articles corresponding to the Autopatch patches to determine which optional patches you need and how to install them. Unlike mandatory patches, which are cumulative, the optional patch files on the Autopatch kit are identical to the patch files you are instructed to create in the RT-11 Software Dispatch. The device specification "DK:" has been used in the optional patch files where indicated in the corresponding published patches. Use the appropriate RT-11 patching utility--SIPP, SLP, or PAT--along with the patch files supplied on the Autopatch kit to patch your software. Refer to the Autopatch kit maps in Chapter 3 of this manual to locate the files containing the patches you need.

TABLES OF PATCHES

Table 2-2  
Optional Patches

Module Name	Patch File	Module Rebuild Required	RT-11 Software Dispatch Article Sequence Number
<b>RT-11 V4.0</b>			
KED.SAV	170100.001	-	17.1.1
KED.SAV	170100.002	-	17.1.2
KED.SAV	170100.008	-	17.1.8
K52.SAV	170200.001	-	17.2.1
K52.SAV	170200.002	-	17.2.2
QUEUE.REL	160100.002	-	16.1.2
<b>FORTTRAN IV/RT-11 V2.5</b>			
EIS	450200.003*	-	45.2.3
FPU	450203.003*	-	45.2.3
EXTEND	450214.003*	-	45.2.3
EXPAND	450215.003*	-	45.2.3
<b>BASIC-11/RT-11 V2.0</b>			
None			

## CHAPTER 3

### KIT MAPS: AUTOPATCH KIT G

This chapter contains kit maps for each type of storage volume. The kit maps are especially helpful when you back up your Autopatch kit. After you have backed up the Autopatch kit, check the directory of the newly created Autopatch kit against the kit maps supplied in this chapter to make sure all files transferred successfully, and that all files reside on the proper volumes in the case of a multivolume Autopatch kit.

Section 3.1 contains the kit map for a three-volume Autopatch kit that resides on DECTape II cartridges or single-density diskettes.

Section 3.2 contains the kit map for a two-volume Autopatch kit that resides on double-density diskettes.

Section 3.3 contains the kit map for a one-volume Autopatch kit that resides on an RK05, RK06, RK07, RL01, RL02, RP03, or 9-track 800 BPI Magtape.

#### 3.1 DECTAPE II CARTRIDGES, SINGLE-DENSITY DISKETTES

##### Volume 1

SWAP	.SYS	25P	15-Jun-82	AUTOP	.SYS	57P	15-Jun-82
DD	.SYS	5P	15-Jun-82	DL	.SYS	4P	15-Jun-82
DY	.SYS	4P	15-Jun-82	DM	.SYS	5P	15-Jun-82
DP	.SYS	3P	15-Jun-82	DX	.SYS	3P	15-Jun-82
NL	.SYS	2P	15-Jun-82	PD	.SYS	3P	15-Jun-82
RK	.SYS	3P	15-Jun-82	TT	.SYS	2P	15-Jun-82
IND	.SAV	40P	15-Jun-82	DUP	.SAV	41P	15-Jun-82
PIPA	.SAV	27P	15-Jun-82	LIBR	.SAV	22P	15-Jun-82
SIPA	.SAV	20P	15-Jun-82	SLPA	.SAV	10P	15-Jun-82
PAT	.SAV	8P	15-Jun-82	AUTOP	.COM	21P	15-Jun-82
APSUBS.COM		31P	15-Jun-82				

21 Files, 336 Blocks  
150 Free blocks

KIT MAPS: AUTOPATCH KIT G

Volume 2

RT11 .COM	18P	15-Jun-82	LP .SYS	2P	15-Jun-82
LS .SYS	2P	15-Jun-82	MM .SYS	9P	15-Jun-82
MMHD .SYS	4P	15-Jun-82	MS .SYS	10P	15-Jun-82
MSHD .SYS	5P	15-Jun-82	MT .SYS	9P	15-Jun-82
MTHD .SYS	4P	15-Jun-82	070100.010	1P	15-Jun-82
070900.010	1P	15-Jun-82	090100.004	1P	15-Jun-82
090101.004	42P	15-Jun-82	100300.003	1P	15-Jun-82
140600.001	1P	15-Jun-82	FORTRN.COM	3P	15-Jun-82
450100.012	4P	15-Jun-82	450102.005	1P	15-Jun-82
450102.010	1P	15-Jun-82	450104.006	1P	15-Jun-82
450106.008	1P	15-Jun-82	450108.002	1P	15-Jun-82
450109.002	1P	15-Jun-82	450110.003	1P	15-Jun-82
450110.012	1P	15-Jun-82	450112.004	1P	15-Jun-82
450112.009	1P	15-Jun-82	450113.007	1P	15-Jun-82
450113.011	1P	15-Jun-82	450203.010	1P	15-Jun-82
450205.006	1P	15-Jun-82	450211.021	102P	15-Jun-82
450212.021	1P	15-Jun-82			

33 Files, 234 Blocks  
252 Free blocks

Volume 3

BASIC .COM	2P	15-Jun-82	350100.022	1P	15-Jun-82
350101.020	1P	15-Jun-82	350102.010	1P	15-Jun-82
350103.004	1P	15-Jun-82	350104.011	1P	15-Jun-82
350105.015	1P	15-Jun-82	350106.011	1P	15-Jun-82
350107.017	1P	15-Jun-82	350108.012	1P	15-Jun-82
350109.013	1P	15-Jun-82	350110.022	1P	15-Jun-82
350111.018	1P	15-Jun-82	350112.018	1P	15-Jun-82
350113.018	1P	15-Jun-82	350114.018	1P	15-Jun-82
350115.018	1P	15-Jun-82	170100.001	2P	15-Jun-82
170100.002	3P	15-Jun-82	170200.001	2P	15-Jun-82
170200.002	3P	15-Jun-82	160100.002	1P	15-Jun-82
170100.008	1P	15-Jun-82	450200.003	1P	15-Jun-82
450203.003	1P	15-Jun-82	450214.003	1P	15-Jun-82
450215.003	2P	15-Jun-82			

27 Files, 35 Blocks  
451 Free blocks

KIT MAPS: AUTOPATCH KIT G

3.2 DOUBLE-DENSITY DISKETTES

Volume 1

SWAP .SYS	25P	15-Jun-82	AUTOP .SYS	57P	15-Jun-82
DD .SYS	5P	15-Jun-82	DL .SYS	4P	15-Jun-82
DY .SYS	4P	15-Jun-82	DM .SYS	5P	15-Jun-82
DP .SYS	3P	15-Jun-82	DX .SYS	3P	15-Jun-82
NL .SYS	2P	15-Jun-82	PD .SYS	3P	15-Jun-82
RK .SYS	3P	15-Jun-82	TT .SYS	2P	15-Jun-82
IND .SAV	40P	15-Jun-82	DUP .SAV	41P	15-Jun-82
PIPA .SAV	27P	15-Jun-82	LIBR .SAV	22P	15-Jun-82
SIPA .SAV	20P	15-Jun-82	SLPA .SAV	10P	15-Jun-82
PAT .SAV	8P	15-Jun-82	AUTOP .COM	21P	15-Jun-82
APSUBS.COM	31P	15-Jun-82			

21 Files, 336 Blocks  
638 Free blocks

Volume 2

RT11 .COM	18P	15-Jun-82	LP .SYS	2P	15-Jun-82
LS .SYS	2P	15-Jun-82	MM .SYS	9P	15-Jun-82
MMHD .SYS	4P	15-Jun-82	MS .SYS	10P	15-Jun-82
MSHD .SYS	5P	15-Jun-82	MT .SYS	9P	15-Jun-82
MTHD .SYS	4P	15-Jun-82	070100.010	1P	15-Jun-82
070900.010	1P	15-Jun-82	090100.004	1P	15-Jun-82
090101.004	42P	15-Jun-82	100300.003	1P	15-Jun-82
140600.001	1P	15-Jun-82	FORTRN.COM	3P	15-Jun-82
450100.012	4P	15-Jun-82	450102.005	1P	15-Jun-82
450102.010	1P	15-Jun-82	450104.006	1P	15-Jun-82
450106.008	1P	15-Jun-82	450108.002	1P	15-Jun-82
450109.002	1P	15-Jun-82	450110.003	1P	15-Jun-82
450110.012	1P	15-Jun-82	450112.004	1P	15-Jun-82
450112.009	1P	15-Jun-82	450113.007	1P	15-Jun-82
450113.011	1P	15-Jun-82	450203.010	1P	15-Jun-82
450205.006	1P	15-Jun-82	450211.021	102P	15-Jun-82
450212.021	1P	15-Jun-82	BASIC .COM	2P	15-Jun-82
350100.022	1P	15-Jun-82	350101.020	1P	15-Jun-82
350102.010	1P	15-Jun-82	350103.004	1P	15-Jun-82
350104.011	1P	15-Jun-82	350105.015	1P	15-Jun-82
350106.011	1P	15-Jun-82	350107.017	1P	15-Jun-82
350108.012	1P	15-Jun-82	350109.013	1P	15-Jun-82
350110.022	1P	15-Jun-82	350111.018	1P	15-Jun-82
350112.018	1P	15-Jun-82	350113.018	1P	15-Jun-82
350114.018	1P	15-Jun-82	350115.018	1P	15-Jun-82
170100.001	2P	15-Jun-82	170100.002	3P	15-Jun-82
170200.001	2P	15-Jun-82	170200.002	3P	15-Jun-82
160100.002	1P	15-Jun-82	170100.008	1P	15-Jun-82
450200.003	1P	15-Jun-82	450203.003	1P	15-Jun-82
450214.003	1P	15-Jun-82	450215.003	2P	15-Jun-82

60 Files, 269 Blocks  
705 Free blocks

KIT MAPS: AUTOPATCH KIT G

3.3 RK05, RK06, RK07, RL01, RL02, RP03, 9-TRACK 800 BPI MAGTAPE

Volume 1

SWAP .SYS	25P	15-Jun-82	AUTOP .SYS	57P	15-Jun-82
DD .SYS	5P	15-Jun-82	DL .SYS	4P	15-Jun-82
DY .SYS	4P	15-Jun-82	DM .SYS	5P	15-Jun-82
DP .SYS	3P	15-Jun-82	DX .SYS	3P	15-Jun-82
NL .SYS	2P	15-Jun-82	PD .SYS	3P	15-Jun-82
RK .SYS	3P	15-Jun-82	TT .SYS	2P	15-Jun-82
IND .SAV	40P	15-Jun-82	DUP .SAV	41P	15-Jun-82
PIPA .SAV	27P	15-Jun-82	LIBR .SAV	22P	15-Jun-82
SIPA .SAV	20P	15-Jun-82	SLPA .SAV	10P	15-Jun-82
PAT .SAV	8P	15-Jun-82	AUTOP .COM	21P	15-Jun-82
APSUBS.COM	31P	15-Jun-82	RT11 .COM	18P	15-Jun-82
LP .SYS	2P	15-Jun-82	LS .SYS	2P	15-Jun-82
MM .SYS	9P	15-Jun-82	MMHD .SYS	4P	15-Jun-82
MS .SYS	10P	15-Jun-82	MSHD .SYS	5P	15-Jun-82
MT .SYS	9P	15-Jun-82	MTHD .SYS	4P	15-Jun-82
070100.010	1P	15-Jun-82	070900.010	1P	15-Jun-82
090100.004	1P	15-Jun-82	090101.004	42P	15-Jun-82
100300.003	1P	15-Jun-82	140600.001	1P	15-Jun-82
FORTRN.COM	3P	15-Jun-82	450100.012	4P	15-Jun-82
450102.005	1P	15-Jun-82	450102.010	1P	15-Jun-82
450104.006	1P	15-Jun-82	450106.008	1P	15-Jun-82
450108.002	1P	15-Jun-82	450109.002	1P	15-Jun-82
450110.003	1P	15-Jun-82	450110.012	1P	15-Jun-82
450112.004	1P	15-Jun-82	450112.009	1P	15-Jun-82
450113.007	1P	15-Jun-82	450113.011	1P	15-Jun-82
450203.010	1P	15-Jun-82	450205.006	1P	15-Jun-82
450211.021	102P	15-Jun-82	450212.021	1P	15-Jun-82
BASIC .COM	2P	15-Jun-82	350100.022	1P	15-Jun-82
350101.020	1P	15-Jun-82	350102.010	1P	15-Jun-82
350103.004	1P	15-Jun-82	350104.011	1P	15-Jun-82
350105.015	1P	15-Jun-82	350106.011	1P	15-Jun-82
350107.017	1P	15-Jun-82	350108.012	1P	15-Jun-82
350109.013	1P	15-Jun-82	350110.022	1P	15-Jun-82
350111.018	1P	15-Jun-82	350112.018	1P	15-Jun-82
350113.018	1P	15-Jun-82	350114.018	1P	15-Jun-82
350115.018	1P	15-Jun-82	170100.001	2P	15-Jun-82
170100.002	3P	15-Jun-82	170200.001	2P	15-Jun-82
170200.002	3P	15-Jun-82	160100.002	1P	15-Jun-82
170100.008	1P	15-Jun-82	450200.003	1P	15-Jun-82
450203.003	1P	15-Jun-82	450214.003	1P	15-Jun-82
450215.003	2P	15-Jun-82			
81 Files, 605 Blocks					
4157 Free blocks					

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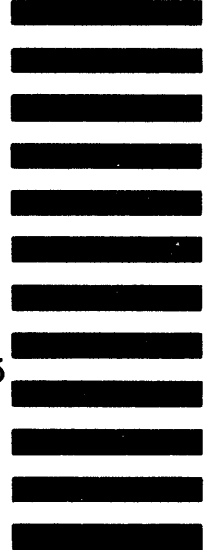


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