IBM

Program Directory for

Archive Manager for z/VM

version 1 release 1.0

Program Number 5697-J05

for Use with
z/VM version 7 release 1
z/VM version 7 release 2
z/VM version 7 release 3

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Contents

Figures

1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of Archive Manager. You should read all of this program directory before installing the program and then keep it for future reference.

The program directory contains the following sections:

- 2.0, "Program Materials" on page 2 identifies the basic and optional program materials and documentation for Archive Manager.
- 3.0, "Program Support" on page 5 describes the IBM support available for Archive Manager.
- 4.0, "Program and Service Level Information" on page 6 lists the APARs (program level) and PTFs (service level) incorporated into Archive Manager.
- 5.0, "Installation Requirements and Considerations" on page 7 identifies the resources and considerations for installing and using Archive Manager.
- 6.0, "Installation Instructions" on page 14 provides detailed installation instructions for Archive Manager.
- 7.0, "Service Instructions" on page 37 provides detailed servicing instructions for Archive Manager.
- Appendix A, "Create Product Parameter File (PPF) Override" on page 48 provides detailed information on overriding the Product Parameter File (PPF).
- Appendix B, "Traditional Service Commands" on page 51 provides alternative instructions for servicing Archive Manager.

Before installing Archive Manager, read 3.1, "Preventive Service Planning" on page 5. This section tells you how to find any updates to the information and procedures in this program directory.

1.1 Program Description

Archive Manager addresses storage and data management concerns by enabling you to archive historical or other infrequently used data to increase data availability or to comply with business requirements mandated by fiscal or legal regulations and policies.

2.0 Program Materials

An IBM program is identified by a program number. The program number for Archive Manager for z/VM version 1 is 5697-J05.

The program announcement material describes the features supported by Archive Manager. Ask your IBM marketing representative for this information if you have not already received a copy.

The following sections identify:

- basic and optional program materials available with this program
- publications useful during installation.

2.1 Basic Machine-Readable Material

This program is available through the IBM® z/VM® SDO as an electronic envelope on DVD. You can also receive this program electronically by ordering it through the z/VM SDO using IBM ShopzSeries. For more information about IBM ShopzSeries go to www.ibm.com/software/ShopzSeries. The electronic envelope contains all the programs and data needed for installation. See section 6.0, "Installation Instructions" on page 14 for more information about how to install the program. Figure 1 describes the program material. Figure 2 describes the file content of the product envelope.

Figure 1. Basic Material: DVD

Feature Number	Medium	Physical Volume	DVD Content	External DVD Label
5802	DVD	1	Archive Manager v1.1.0	Archive Mgr z/VM V1.1

Please refer to the Media Report, that comes with your order, for a description of the contents of each individual deliverable.

Figure 2 (Page 1 of 2). Program Envelope: File Content

File	Content
1	Header
2	Header
3	Product Header
4	Product Memo
5	Service Apply Lists
6	PTFPARTs
7	Archive Manager Service
8	Archive Manager Aux Files

Figure 2 (Page 2 of 2). Program Envelope: File Content

File	Content
9	Archive Manager Base Files
10	Archive Manager Client Executable Code
11	Archive Manager Help Files
12	Archive Manager Sample/Customization Files
13	Archive Manager Runtime Executable Code

2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for Archive Manager.

2.3 Program Publications

The following sections identify the basic and optional publications for Archive Manager.

2.3.1 Base Program Publications

Figure 3 identifies the program publications for Archive Manager.

Figure 3. Material: Program Publications

Publication Title	Form Number
Archive Manager for z/VM Administration Guide	SC18-9345
Archive Manager for z/VM User's Guide	SC18-9348

2.3.2 Softcopy Publicatons

The Archive Manager publications can be found in Adobe® Portable Document Format off of the Archive Manager World Wide Web home page at url:

www.ibm.com/software/products/en/archivevm

They can also be downloaded using the specific publication number through the IBM Publication Center at:

www.ibm.com/shop/publications/order

The Publications Center is a world wide central repository for IBM product publications and marketing material.

2.4 Program Source Materials

No program source materials or viewable program listings are provided for Archive Manager.

2.5 Publications Useful During Installation

The publications listed in Figure 4 may be useful during the installation of Archive Manager. To order copies, contact your IBM representative.

Figure 4. Publications Useful During Installation / Service on z/VM version 5

Publication Title	Form Number
z/VM: VMSES/E Introduction and Reference	GC24-6130
z/VM: Service Guide	GC24-6117
z/VM: CMS Commands and Utilities Reference	SC24-6073
z/VM: CMS File Pool Planning, Administration, and Operation	SC24-6074
z/VM: Other Components Messages and Codes	GC24-6120
z/VM: CMS and REXX/VM Messages and Codes	GC24-6118
z/VM: CP System Messages and Codes	GC24-6119
z/VM: CP Planning and Administration	SC24-6083
z/VM: Saved Segments Planning and Administration	SC24-6116
Archive Manager for z/VM Administration Guide	SC18-9345

Figure 5. Publications Useful During Installation / Service on z/VM version 6

Publication Title	Form Number
z/VM: VMSES/E Introduction and Reference	GC24-6243
z/VM: Service Guide	GC24-6247
z/VM: CMS Commands and Utilities Reference	SC24-6166
z/VM: CMS File Pool Planning, Administration, and Operation	SC24-6167
z/VM: Other Components Messages and Codes	GC24-6207
z/VM: CMS and REXX/VM Messages and Codes	GC24-6161
z/VM: CP Messages and Codes	GC24-6177
z/VM: CP Planning and Administration	SC24-6178
z/VM: Saved Segments Planning and Administration	SC24-6229
Archive Manager for z/VM Administration Guide	SC18-9345

3.0 Program Support

This section describes the IBM support available for Archive Manager.

3.1 Preventive Service Planning

Before installing Archive Manager, check with your IBM Support Center or use IBMLink™ (ServiceLink) to see whether there is additional Preventive Service Planning (PSP) information. To obtain this information, specify the following UPGRADE and SUBSET values:

Figure 6. PSP Upgrade and Subset ID

COMPID	Retain Release	Upgrade	Subset
5697J0500	110	ARCHZVM110	ARCH110

3.2 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will tell you where to send any needed documentation.

Figure 7 identifies the component ID (COMPID), Retain Release and Field Engineering Service Number (FESN) for Archive Manager.

Figure 7. Component IDs

COMPID	Retain Release	Component Name	FESN
5697J0500	110	Archive Manager v1.1.0	0400006

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of Archive Manager. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs shipped with this product. Information about cumulative service is also provided.

4.1 Program Level Information

No APARs froma previous release have been incorporated into Archive Manager.

4.2 Service Level Information

The following PTFs have been incorporated into Archive Manager:

- UK32746
- UK48368
- UK48525
- UK50612
- UK55160
- UK60385
- UK61594

Check the ARCHZVM110 PSP bucket for any additional PTFs that should be installed or any additional install information.

4.3 Cumulative Service

Cumulative service for Archive Manager V1.1.0 is available through a monthly corrective service envelope, Expanded Service Option, ESO. You need to specify the product ID, 5697J05A, when ordering the ESO.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating Archive Manager.

5.1 Hardware Requirements

Archive Manager V1.1.0 will operate on any hardware that supports the prerequisite software. In addition, Archive Manager V1.1.0 supports archive to any tape device supported by CMS that handles a block size of 65,535 bytes.

5.2 Program Considerations

The following sections list the programming considerations for installing and activating Archive Manager.

5.2.1 Operating System Requirements

Archive Manager supports the following VM operating systems:

- z/VM version 5 release 4
- z/VM version 6 release 2
- z/VM version 6 release 3
- z/VM version 6 release 4

5.2.2 Other Program Product Requirements

In addition, Archive Manager requires:

- Shared File System (included in z/VM) as the repository for the archive catalog

- One of the following

  - IBM Library for REXX on zSeries® R4 (5695-014)
  - IBM Alternate Library for REXX on zSeries. IBM recommends you acquire the latest available version. It is available as a free download. For more information, visit https://www.ibm.com/products/compiler-and-library-for-rexx-on-ibm-z/resources

5.2.3 Program Installation and Service Considerations

This section describes items that should be considered before you install or service Archive Manager.

- VMSES/E is required to install and service this product.

- If multiple users install and maintain licensed products on your system, there may be a problem getting the necessary access to MAINT's 51D disk. If you find that there is contention for write access to the 51D disk, you can eliminate it by converting the Software Inventory from minidisk to Shared File

System (SFS). See the *VMSES/E Introduction and Reference* manual, section "Changing the Software Inventory to an SFS Directory", for information on how to make this change.

- Customers will not install and service Archive Manager strictly using the MAINT user ID, but will use a new user ID--5697J05A. This is the IBM suggested user ID name. You are free to change this to any user ID name you wish; however, a PPF override must be created.

  Note: It may be easier to make the above PPF override change during the installation procedure 6.2, "Plan Your Installation For Archive Manager" step 6 on page 17, rather than after you have installed this product.

- If you are installing on z/VM V6.2 or later, there are several considerations for Single System Image (SSI). Refer to the following web site for more information:
  http://www.ibm.com/support/search.wss?q=SSI&tc=SSMR6L

- If you are using an External Security Manager (such as IBM RACF Security Server), the following must be permitted:

  - From user ID 5697J05A, LINK MAINT 51D in MR mode

  - From user ID 5697J05A, LINK MAINT 5E5 in RR mode

  - If you plan to place Archive Manager general use code on MAINT's 19E disk (the 'Y' disk) or the Archive Manager help files on the system AMENG Help (MAINT's 19D) disk, then one of the following is required:

    - From user ID MAINT or MAINT*vrm*, LINK 5697J05A 492 in RR mode
    - From user ID MAINT or MAINT*vrm*, ACCESS 5697J05A.ARCHMGR.TESTUSER

    The access required depends on whether you are installing Archive Manager on minidisk or in SFS.

  - All LINK statements specified in the sample directory entries for the Archive Manager user IDs. Refer to 5.3, "DASD Storage and User ID Requirements" on page 9 for a list of Archive Manager user IDs.

  - Read access to the Archive Manager user code for all user IDs that will issue Archive Manager commands. By default, this code is on the 5697J05A 592 minidisk or in the SFS directory *filepool*:5697J05A.ARCHMGR.CLIENT. During product installation you may copy this code to MAINT 19D and MAINT 19E and let users access it from there.

  - If you are using Tape Manager for z/VM, the Archive Manager service machine (AMVARKIV) must have read access to the Tape Manager user code. This is on the 5697J08x 592 minidisk or in the SFS directory *filepool*:5697J08x.TAPEMGR.PRODUSER. Replace x with the appropriate letter for your Tape Manager installation ID.

5.3 DASD Storage and User ID Requirements

Figure 8 on page 9 lists the user IDs, minidisks and default SFS directory names that are used to install and service Archive Manager.

Important Installation Notes:

- User ID(s) and minidisks or SFS directories will be defined in 6.2, "Plan Your Installation For Archive Manager" on page 15 and are listed here so that you can get an idea of the resources that you will need prior to allocating them.

- 5697J05A is a default user ID and can be changed. If you choose to change the name of the installation user ID you need to create a Product Parameter Override (PPF) to reflect this change. This can be done in 6.2, "Plan Your Installation For Archive Manager" step 6 on page 17.

- If you choose to install Archive Manager on a common user ID the default minidisk addresses for Archive Manager may already be defined. If any of the default minidisks required by Archive Manager are already in use you will have to create an override to change the default minidisks for Archive Manager so they are unique.

Figure 8 (Page 1 of 5). DASD Storage Requirements for Target Minidisks						
Minidisk owner (user ID)	**Default Address**	**Storage in Cylinders**		**FB-512 Blocks**	**SFS 4K Blocks**	**Usage**
		DASD	**CYLS**			**Default SFS Directory Name** (3*)
5697J05A	191	3390	10	14400	1800	5697J05A user ID's 191 minidisk *filepool1*:**5697J05A.**
5697J05A	2B2	3390	5	7200	900	Contains all the base code shipped with Archive Manager *filepool1*:**5697J05A.ARCHMGR.BASE**
5697J05A	2C2	3390	2	2880	360	Contains sample files *filepool1*:**5697J05A.ARCHMGR.SAMPLES**

Notes:

- Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size.

- The default SFS file pool is VMSYS. If you are installing on z/VM V6.2 or later, IBM recommends creating a PPF override to use:

    - VMPSFS for all directories that will be shared across the cluster. These are noted as *filepool1* in the table.

    - A unique SFS file pool for all directories that should be unique on each member of the cluster. These are noted as *filepool2* in the table. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1.

| Minidisk owner (user ID) | Default Address | Storage in Cylinders | | FB-512 Blocks | SFS 4K Blocks | Usage |
		DASD	CYLS			Default SFS Directory Name (3*)
5697J05A	2D2	3390	10	14400	1800	Contains serviced files *filepool1*:**5697J05A.ARCHMGR.DELTA**
5697J05A	2A6	3390	1	1440	180	Contains AUX files and software inventory tables that represent the test service level of Archive Manager *filepool1*:**5697J05A.ARCHMGR.APPLYALT**
5697J05A	2A2	3390	1	1440	180	Contains AUX files and software inventory tables that represent the service level of Archive Manager that is currently in production. *filepool1*:**5697J05A.ARCHMGR.APPLYPROD**
5697J05A	491	3390	5	7200	900	Test build disk for server code *filepool1*:**5697J05A.ARCHMGR.TESTRUNTIME**
5697J05A	591	3390	5	7200	900	Production build disk for server code *filepool1*:**5697J05A.ARCHMGR.RUNTIME**
5697J05A	492	3390	5	7200	900	Test build disk for user code *filepool1*:**5697J05A.ARCHMGR.TESTCLIENT**
5697J05A	592	3390	5	7200	900	Production build disk for user code *filepool1*:**5697J05A.ARCHMGR.CLIENT**
5697J05A	198	3390	2	2880	360	Installation-defined configuration files on production system, based on samples provided on the 2C2 minidisk or in the .SAMPLES directory *filepool1*:**5697J05A.ARCHMGR.CONFIGURATION**

Figure 8 (Page 2 of 5). DASD Storage Requirements for Target Minidisks

Notes:

- Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size.

- The default SFS file pool is VMSYS. If you are installing on z/VM V6.2 or later, IBM recommends creating a PPF override to use:

  – VMPSFS for all directories that will be shared across the cluster. These are noted as *filepool1* in the table.

  – A unique SFS file pool for all directories that should be unique on each member of the cluster. These are noted as *filepool2* in the table. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1.

| Minidisk owner (user ID) | Default Address | Storage in Cylinders | | FB-512 Blocks | SFS 4K Blocks | Usage |
		DASD	CYLS			Default SFS Directory Name [3*]
5697J05A	49D	3390	5	7200	900	AMENG HELP files on test system. This code will be copied to a production disk, (e.g. 5697J05A 29D) so the production disk will also require this amount of free space. *filepool1*:**5697J05A.ARCHMGR.TESTHELP**
5697J05A Totals		**3390**	**56**	**80,640**	**10,080**	**Total DASD storage required for user ID 5697J05A.** Use the SFS total for 5697J05A in step 5 on page 21.
AMVADMIN	191	3390	5	7200	900	A-disk for AMVADMIN, the Archive Administrator Use the SFS value for AMVADMIN in step 5 on page 21. *filepool1*:**AMVADMIN.**
AMVCATLG	191	3390	1	1440	180	A-disk for AMVCATLG, the Catalog Server. This user ID serves as the owner of the SFS filespace for the archive catalog. It does not need to run as a disconnected service machine. Use the SFS value for AMVCATLG in step 5 on page 21. *filepool2*:**AMVCATLG.**
AMVARKIV	191	3390	1	1440	180	A-disk for AMVARKIV, the Primary Archive Server Use the SFS value for AMVARKIV in step 5 on page 21. *filepool2*:**AMVARKIV.**

Figure 8 (Page 3 of 5). DASD Storage Requirements for Target Minidisks

Notes:

- Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size.

- The default SFS file pool is VMSYS. If you are installing on z/VM V6.2 or later, IBM recommends creating a PPF override to use:

  - VMPSFS for all directories that will be shared across the cluster. These are noted as *filepool1* in the table.

  - A unique SFS file pool for all directories that should be unique on each member of the cluster. These are noted as *filepool2* in the table. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1.

| Minidisk owner (user ID) | Default Address | Storage in Cylinders | | FB-512 Blocks | SFS 4K Blocks | Usage |
		DASD	CYLS			Default SFS Directory Name (3*)
AMVWRK01	191	3390	1	1440	180	A-disk for AMVWRK01, Worker number 01. This service machine is only required if you plan to archive to tape (instead of, or in addition to, archiving to disk.) Use the SFS value for AMVWRK01 in step 5 on page 21. Up to 16 workers can be defined. As a default, 4 are defined here. See the Archive Manager for z/VM Administration Guide for further details. *filepool2*:**AMVWRK01.**
AMVWRK02	191	3390	1	1440	180	A-disk for AMVWRK02, Worker number 02s This service machine is only required if you plan to archive to tape (instead of, or in addition to, archiving to disk.) Use the SFS value for AMVWKR02 in step 5 on page 21. *filepool2*:**AMVWRK02.**
AMVWRK03	191	3390	1	1440	180	A-disk for AMVWRK03, Worker number 03. This service machine is only required if you plan to archive to tape (instead of, or in addition to, archiving to disk.) Use the SFS value for AMVWKR03 in step 5 on page 21. *filepool2*:**AMVWRK03.**

Notes:

- Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size.

- The default SFS file pool is VMSYS. If you are installing on z/VM V6.2 or later, IBM recommends creating a PPF override to use:

  - VMPSFS for all directories that will be shared across the cluster. These are noted as *filepool1* in the table.

  - A unique SFS file pool for all directories that should be unique on each member of the cluster. These are noted as *filepool2* in the table. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1.

Figure 8 (Page 5 of 5). DASD Storage Requirements for Target Minidisks						
Minidisk owner (user ID)	Default Address	Storage in Cylinders		FB-512 Blocks	SFS 4K Blocks	Usage
		DASD	CYLS			Default SFS Directory Name (3*)
AMVWRK04	191	3390	1	1440	180	A-disk for AMVWRK04, Worker number 04. This service machine is only required if you plan to archive to tape (instead of, or in addition to, archiving to disk.) Use the SFS value for AMVWKR04 in step 5 on page 21. *filepool2*:**AMVWRK04.**
All user IDs Totals		**3390**	**67**	**96,480**	**12,060**	**Total DASD storage required for all Archive Manager user IDs.**

Notes:

- Cylinder values defined in this table are based on a 4K block size. FB-512 block and SFS values are derived from the 3390 cylinder values in this table. The FBA blocks are listed as 1/2K but should be CMS formatted at 1K size.

- The default SFS file pool is VMSYS. If you are installing on z/VM V6.2 or later, IBM recommends creating a PPF override to use:

  - VMPSFS for all directories that will be shared across the cluster. These are noted as *filepool1* in the table.

  - A unique SFS file pool for all directories that should be unique on each member of the cluster. These are noted as *filepool2* in the table. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1.

6.0 Installation Instructions

This chapter describes the installation methods and the step-by-step procedures to install and activate Archive Manager.

The step-by-step procedures are in two-column format. The steps to be performed are in bold, large numbers. Commands for these steps are on the left-hand side of the page in bold print. Additional information for a command may exist to the right of the command.

Each step of the installation instructions must be followed. Do not skip any step unless directed to do so.

Throughout these instructions, the use of IBM-supplied default minidisk addresses and user IDs is assumed. If you use different user IDs, minidisk addresses, or SFS directories to install Archive Manager, adapt these instructions as needed for your environment.

> **Note**
>
> The sample console output presented throughout these instructions was produced on a z/VM V6.1 system. If you're installing Archive Manager on a different z/VM system, the results obtained for some commands may differ from those depicted here.

6.1 VMSES/E Installation Process Overview

The following is a brief description of the main steps in installing Archive Manager using VMSES/E.

- Plan Your Installation

  Use the VMFINS command to load several VMSES/E files from the product envelope and to obtain Archive Manager resource requirements.

- Allocate Resources

  The information obtained from the previous step is used to allocate the appropriate minidisks (or SFS directories) and user IDs needed to install and use Archive Manager.

- Install the Archive Manager Product

  Use the VMFINS command to load the Archive Manager product files from the product envelope to the test BUILD and BASE minidisks/directories. VMFINS is then used to update the VM SYSBLDS file used by VMSES/E for software inventory management.

- Install Service for Archive Manager

  Use the SERVICE command or the traditional service commands to install any available PTFs for Archive Manager.

- Place Archive Manager Files into Production

Copy files from the test BUILD disks to production BUILD disks.

- Perform Post-installation Tasks

  Information about file tailoring and initial activation of the program is presented in the Archive Manager Administration Guide (SC18-9345).

For a complete description of all VMSES/E installation options refer to *VMSES/E Introduction and Reference*.

6.2 Plan Your Installation For Archive Manager

The VMFINS command will be used to plan the installation. This section has 2 main steps that will:

- load the installation files
- generate a 'PLANINFO' file listing
  - all user ID and mdisks/SFS directory requirements
  - required products

```
┌─ Electronic Delivery (envelope file) ─────────────────────────────────────────┐
│                                                                                │
│  If you have received the product electronically or on DVD, follow the appropriate instructions to retrieve │
│  and decompress the envelope files to the MAINT*vrm* 500 minidisk if you are installing on z/VM V6.2 or │
│  later, or the MAINT 500 minidisk if you are installing on z/VM V5.4.  The decompression is currently │
│  done by using the DETERSE MODULE (shipped with VMSES/E).                      │
│                                                                                │
│  For more information on retrieving and decompressing products received as envelope files, visit │
│                                                                                │
│      http://www.vm.ibm.com/install/vmlpinst.html                               │
│                                                                                │
└────────────────────────────────────────────────────────────────────────────────┘
```

To obtain planning information for your environment:

1 Log on as Archive Manager installation planner.

This user ID can be any ID that has read access to MAINT's 5E5 minidisk and write access to the MAINT 51D minidisk. IBM suggests using MAINT*vrm* if you are installing on z/VM V6.2 or later, or MAINT if you are installing on z/VM V5.4.

2 Provide the installation planning user ID access to the code.

a If installing on z/VM V6.2 or later

link MAINT*vrm* 500 500 rr
acc 500 c

b If installing on z/VM V5.4

link MAINT 500 500 rr
acc 500 c

3 Establish read access to the VMSES/E code.

link MAINT 5e5 5e5 rr   The 5E5 disk contains the VMSES/E code.
access 5e5 b

4 Establish write access to the Software Inventory disk.

link MAINT 51d 51d mr   The MAINT 51D disk is where the VMSES/E
access 51d d   system-level Software Inventory and other
                                             dependent files reside.

> **Note:** If another user already has the MAINT 51D minidisk linked in write
> mode (R/W), you will only obtain read access (R/O) to this minidisk. If this
> occurs, you will need to have that user re-link the 51D in read-only mode
> (RR), and then re-issue the above LINK and ACCESS commands. Do not
> continue with these procedures until a R/W link is established to the 51D
> minidisk.

5 Load the Archive Manager product control files to the 51D minidisk.

The VMFINS INFO command will perform the following:

- load Memo-to-Users

- load various product control files, including the Product Parameter File
  (PPF) and the PRODPART files

- create VMFINS PRODLIST on your A-disk. The VMFINS PRODLIST
  contains a list of products on the installation media.

vmfins install info (nomemo env *envfilename*   **envfilename** is the file name of the product
                                             envelope file. The file type must be SERVLINK.

                                             The NOMEMO option will load the memos from the
                                             envelope file but will not issue a prompt to send
                                             them to the system printer. Specify the MEMO
                                             option if you want to be prompted for printing the
                                             memo.

```
VMFINS2760I VMFINS processing started
VMFINS1909I VMFINS PRODLIST created on your A-disk
VMFINS2760I VMFINS processing completed successfully
Ready;
```

6 Obtain resource planning information for Archive Manager.

Note:

- The product will **not** be loaded by the VMFINS command at this time.

- The default SFS file pool is VMSYS. If you are installing on z/VM V6.2 or later, IBM recommends

  – Using VMPSFS for all directories that will be shared across the cluster

  – Using a unique SFS file pool on each member of the cluster for the directories which should be unique on each member. These include production directories and all directories for multipconfiguration users. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1.

  You will need to create a PPF override to use these file pools.

- If you change the PPF name, a default user ID, or other parameters via a PPF override, you will need to use your changed values instead of those indicated (when appropriate), throughout the rest of the installation instructions, as well as the instructions for servicing Archive Manager. For example, you will need to specify your PPF override file name instead of 5697J05A for certain VMSES/E commands.

- If you're not familiar with creating PPF overrides using VMFINS, you should review the "Using the Make Override Panel" section in Chapter 3 of the *VMSES/E Introduction and Reference* before you continue. This same chapter has information about changing the VMSYS file pool name, if you need it.

vmfins install ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (plan nomemo env *envfilename*

envfilename is the file name of the product envelope file. The file type must be SERVLINK.

Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.

The PLAN option indicates that VMFINS will perform requisite checking, plan system resources, and provide an opportunity to override the defaults in the product parameter file.

You can override any of the following:

- the name of the product parameter file

- the default user IDs

- minidisk/directory definitions

```
VMFINS2767I Reading VMFINS DEFAULTS B for additional options
VMFINS2760I VMFINS processing started
VMFINS2601R Do you want to create an override for :PPF 5697J05A ARCHMGR
            :PRODID 5697J05A%ARCHMGR?
            Enter 0 (No), 1 (Yes) or 2 (Exit)
0
VMFINS2603I Processing product :PPF 5697J05A ARCHMGR :PRODID
            5697J05A%ARCHMGR
VMFREQ1909I 5697J05A PLANINFO created on your A-disk
VMFREQ2805I Product :PPF 5697J05A ARCHMGR :PRODID 5697J05A%ARCHMGR
            has passed requisite checking
VMFINT2603I Planning for the installation of product :PPF 5697J05A ARCHMGR
            :PRODID 5697J05A%ARCHMGR
VMFRMT2760I VMFRMT processing started
VMFRMT2760I VMFRMT processing completed successfully
VMFINS2760I VMFINS processing completed successfully
```

7 Review the install message log ($VMFINS $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview install

8 If you manage your system directory on the MAINT 2CC minidisk, re-access it

6.3 Allocate Resources for Installing Archive Manager

> **Note**
>
> If you are installing on z/VM V6.2 or later, there are several considerations for Single System Image (SSI). Refer to the following web site for more information:
> http://www.ibm.com/support/search.wss?q=SSI&tc=SSMR6L

Use the planning information in the 5697J05A PLANINFO file, created in the **PLAN** step, to:

- Create the 5697J05A and service virtual machine user directories for minidisk install. Refer to 6.3.1, "Installing Archive Manager on Minidisk" for detailed instructions.

  OR

- Create the 5697J05A and service virtual machine user directories for SFS install. Refer to 6.3.2, "Installing Archive Manager in SFS Directories" on page 20 for detailed instructions.

6.3.1 Installing Archive Manager on Minidisk

1 Obtain the user directory from the 5697J05A PLANINFO file.

Note: The user directory entry is located in the resource section of the PLANINFO file, at the bottom; these entries will contain all of the links and privilege classes necessary for the 5697J05A and service virtual machine user IDs. Use the directory entry found in PLANINFO as a model as input to your system directory.

2 Add the 5697J05A and service virtual machine directory entries to the system directory.

IBM recommends the following user IDs be defined as single configuration users:

- 5697J05A
- AMVADMIN

IBM recommends the following user IDs be defined as multiconfiguration users:

- AMVARKIV
- AMVCATLG
- AMVWRK01
- AMVWRK02

- AMVWRK03
- AMVWRK04

Change the passwords for all the user IDs you are adding from xxxxx to valid passwords, in accordance with your security guidelines.

3 Add the MDISK statements to the directory entry for 5697J05A and any service virtual machine you will be using. Use Figure 8 on page 9 to obtain the minidisk requirements.

4 Place the new directories on-line using the DIRECTXA command or an equivalent CP directory maintenance method, such as IBM® DirMaint™.

If you are installing Archive Manager in a z/VM Single System Image cluster, place the directory on-line on each member of the cluster.

5 Format all minidisks for the 5697J05A user ID and the service virtual machine user IDs. For each user ID, perform the following:

link *userid devaddr1 devaddr2* **mr**
format *devaddr2 filemode*
1
label
rel *devaddr2* **(det**

> **userid** is the user ID that owns the disk you are formatting (for example, the installion user ID or one of the Archive Manager service virtual machine user IDs.
>
> **devaddr1** is the virtual device address to be formatted for specified user ID.
>
> **devaddr2** is an available virtual device address.
>
> **filemode** is an available filemode.
>
> **label** is the minidisk label.

6 Continue with 6.4, "Install Archive Manager" on page 26.

6.3.2 Installing Archive Manager in SFS Directories

1 Obtain the user directory from the 5697J05A PLANINFO file.

Note: The user directory entries are located in the resource section of the PLANINFO file, at the bottom; these entries will contain all of the links and privilege classes necessary for the 5697J05A and service virtual machine user IDs. Use the directory entries found in PLANINFO as a model as input to your system directory.

2 Add the 5697J05A and service virtual machine directory entries to the system directory.

IBM recommends the following user IDs be defined as single configuration users:

- 5697J05A
- AMVADMIN

IBM recommends the following user IDs be defined as multiconfiguration users:

- AMVARKIV
- AMVCATLG
- AMVWRK01
- AMVWRK02
- AMVWRK03
- AMVWRK04

Change the passwords for all the user IDs you are adding from xxxxx to valid passwords, in accordance with your security guidelines.

3 If you intend to use an SFS directory as the work space for the 5697J05A user ID or any of the service virtual machine user IDs you will use, include the following IPL control statement in their directory entry:

```
IPL CMS PARM FILEPOOL filepool
```

where *filepool* is the name of the file pool you specified for installation of Archive Manager in SFS. Refer to Figure 8 on page 9.

This will cause CMS to automatically access the user ID's top directory as file mode A.

4 Place the new directory on-line using the DIRECTXA command or an equivalent CP directory maintenance method, such as DIRMAINT.

If you are installing Archive Manager in a z/VM Single System Image cluster, place the directory on-line on each member of the cluster.

5 An SFS installation will also require the following steps:

  a Determine the number of 4K blocks that are required for SFS directories by adding up the 4K blocks required for each SFS directory, for each user ID, you plan to use.

  If you intend to use all of the default Archive Manager SFS directories, the 4K block requirements for the directories are summarized in Figure 8 on page 9.

This information will be used when enrolling the 5697J05A and service virtual machine user IDs in the VMSYS, VMPSFS, or MYPOOL1 file pool.

b Enroll user 5697J05A in the appropriate file pools using the ENROLL USER command:

```
ENROLL USER 5697J05A filepool: (BLOCKS blocks
```

where *blocks* is the number of 4K blocks required for this user ID only.

where *filepool* is the name of the file pool. If you are installing on z/VM V6.2 or later, IBM recommends using a unique file pool. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1. If you are installing on z/VM V5.4, the default is VMSYS.

Note: This must be done from a user ID that is an administrator for the specified file pool.

c Enroll any of the service virtual machines, that you are going to use, in the appropriate file pool using the ENROLL USER command. You need to issue the ENROLL USER command for each service machine user ID you plan on using.

```
ENROLL USER svmID filepool: (BLOCKS blocks
```

where *svmID* is the service virtual machine user ID.

where *filepool* is the name of the file pool. If you are installing on z/VM V6.2 or later, IBM recommends using a unique file pool for the service machines. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1. If you are installing on z/VM V5.4, the default is VMSYS.

where *blocks* is the number of 4K blocks that you calculated in the previous step for the SVM user ID you are enrolling.

Note: This must be done from a user ID that is an administrator for the specified file pool.

d Determine if there are enough blocks available in the filepool to install Archive Manager. This information can be obtained from the QUERY FILEPOOL STORGRP command. If the number of blocks free is smaller than the total 4K blocks needed to install Archive Manager you will need to add space to the filepool. See the *CMS File Pool Planning, Administration, and Operation* manual for information on adding space to a filepool.

e Create the necessary subdirectories listed in the 5697J05A PLANINFO file using the CREATE DIRECTORY command.

set filepool *filepool:*
create directory *dirid*

dirid is the name of the SFS directory you're creating.

filepool is the name of the file pool. If you are installing on z/VM V6.2 or later, IBM recommends using both VMPSFS and a file pool that is unique on each member of the cluster. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1. If you are installing on z/VM V5.4, the default is VMSYS.

An example of the create command is:

```
create directory filepool:5697J05A.archmgr
create directory filepool:5697J05A.archmgr.base
   :
```

If necessary, see the *CMS Command Reference* manual for more information about the CREATE DIRECTORY command.

A complete list of default Archive Manager SFS directories is provided in Figure 8 on page 9.

f Give the the service virtual machine user IDs that you will be using access to the necessary production server code using the GRANT AUTHORITY command.

grant auth *filepool***:5697J05A.archmgr.runtime to** *svmID* **(read newread**

where *svmID* is the service virtual machine user ID.

where *filepool* is the name of the file pool. If you are installing on z/VM V6.2 or later, IBM recommends using a file pool that is unique on each member of the cluster. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1. If you are installing on z/VM V5.4, the default is VMSYS.

Repeat the GRANT AUTHORITY command for each service virtual machine you are going to be using.

If necessary, see the *CMS Command Reference* manual for more information about the GRANT AUTHORITY command.

g If you are going to place Archive Manager general use code on MAINT's 19E disk then you need to give the **MAINT** or MAINT*vrm* user ID READ authority to the general-use test build directory, using the GRANT AUTHORITY command. Refer to step 4 on page 32 or refid=mt19es2. for more information on placing general use code on MAINT 19E disk.

If installing on z/VM V6.2 or later

grant auth *filepool***:5697J05A.archmgrclient to MAINT***vrm* **(read newread**

> where MAINT*vrm* is the installation and maintenance user ID for the release of z/VM you are using.

> where *filepool* is the name of the file pool. IBM recommends using VMPSFS.

If installing on z/VM V5.4

grant auth *filepool***:5697J05A.archmgrclient to MAINT (read newread**

> where *filepool* is the name of the file pool. The default is VMSYS.

> If necessary, see the *CMS Command Reference* manual for more information about the GRANT AUTHORITY command.

h If you are **not** going to place Archive Manager general use code on MAINT's 19E disk then you need to administrators and users READ authority to the client run-time code using the GRANT AUTHORITY command.

grant auth *filepool***:5697J05A.archmgrclient to** *userID* **(read newread**

where *userID* is the administrator user ID (AMVADMIN) and end user IDs.

where *filepool* is the name of the file pool. If you are installing on z/VM V6.2 or later, IBM recommends using a file pool that is unique on each member of the cluster. For this unique file pool, you can use VMSYS (provided by IBM) or you can create a new unique file pool such as MYPOOL1. If you are installing on z/VM V5.4, the default is VMSYS.

Repeat the GRANT AUTHORITY command for each user that will be using the panel interface to generate recall requests.

Alternatively, you can make this directory PUBLIC.

If necessary, see the *CMS Command Reference* manual for more information about the GRANT AUTHORITY command.

i If you plan to place Archive Manager general use code on MAINT's or MAINT*vrm*'s 19E disk then you need to give the **MAINT** or **MAINT***vrm* user ID READ authority to the general-use test build directory, using the GRANT AUTHORITY command. Refer to step 4 on page 32 or refid=mt19es2. for more information on placing general use code on MAINT 19E disk.

If installing on z/VM V6.2 or later

grant auth *filepool***:5697J05A.archmgr.testclient to MAINT***vrm* **(read newread**

where MAINT*vrm* is the installation and maintenance user ID for the release of z/VM you are using.

where *filepool* is the name of the file pool. IBM recommends using VMPSFS.

If installing on z/VM V5.4

grant auth *filepool***:5697J05A.archmgr.testclient to MAINT (read newread**

where *filepool* is the name of the file pool. The default is VMSYS.

If necessary, see the *CMS Command Reference* manual for more information about the GRANT AUTHORITY command.

6.4 Install Archive Manager

The *ppfname* used throughout these installation instructions is **5697J05A**, which assumes you are using the PPF supplied by IBM for Archive Manager. If you have your own PPF override file for Archive Manager, you should use your file's *ppfname* instead of **5697J05A**. The *ppfname* you use should be used **throughout** the rest of this procedure.

1 Logon to the installation user ID **5697J05A**.

2 Create a PROFILE EXEC that will contain the ACCESS commands for MAINT 5E5 and 51D minidisks and define a RETRIEVE key.

xedit profile exec a
===> input /**/
===> input 'access 5e5 b'
===> input 'access 51d d'
===> input 'cp set pf12 retrieve'
===> file

If either 5E5 or 51D is in a shared file system (SFS) then substitute your SFS directory name in the access command.

In this example, you can now use PF12 to find, modify, and execute previously executed commands.

3 Run the profile to access MAINT's minidisks and activate the RETRIEVE key.

profile

4 If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user who has it linked R/W link it as R/O. You then can issue the following commands to obtain R/W access to it.

link MAINT 51d 51d mr
access 51d d

5 Provide the installation user ID access to the code.

a If installing on z/VM V6.2 or later

link MAINT*vrm* **500 500 rr**
acc 500 c

> **b** If installing on z/VM V5.4

link MAINT 500 500 rr
acc 500 c

> **6** Install Archive Manager.
>
> **Note:**
>
> - If you have already created a PPF override file, you should specify your override file name, in place of the default PPF name (5697J05A), after the **PPF** keyword for the following VMFINS command.
>
> - You may be prompted for additional information during VMFINS INSTALL processing depending on your installation environment. If you're unsure how to respond to a prompt, refer to the "Installing Products with VMFINS" and "Install Scenarios" chapters in the *VMSES/E Introduction and Reference* to decide how to proceed.

vmfins install ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (nomemo nolink env *envfilename*

> > **envfilename** is the file name of the product envelope file. The file type must be SERVLINK.
> >
> > Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.
> >
> > The NOLINK option indicates that you don't want VMFINS to link to the appropriate minidisks, only access them if not accessed.

```
VMFINS2767I Reading VMFINS DEFAULTS B for additional options
VMFINS2760I VMFINS processing started
VMFINS2601R Do you want to create an override for :PPF 5697J05A ARCHMGR
            :PRODID 5697J05A%ARCHMGR?
            Enter 0 (No), 1 (Yes) or 2 (Exit)
0
VMFINS2603I Processing product :PPF 5697J05A ARCHMGR :PRODID
            5697J05A%ARCHMGR
VMFREQ2805I Product :PPF 5697J05A ARCHMGR :PRODID 5697J05A%ARCHMGR
            has passed requisite checking
VMFINT2603I Installing product :PPF 5697J05A ARCHMGR :PRODID
            5697J05A%ARCHMGR
VMFSET2760I VMFSETUP processing started for 5697J05A ARCHMGR
VMFUTL2205I Minidisk|Directory Assignments:
            String    Mode  Stat  Vdev  Label/Directory
VMFUTL2205I LOCALSAM  F     R/W   2C2   ARC2C2
VMFUTL2205I APPLY     G     R/W   2A6   ARC2A6
VMFUTL2205I           H     R/W   2A2   ARC2A2
VMFUTL2205I DELTA     I     R/W   2D2   ARC2D2
VMFUTL2205I BUILD1    J     R/W   491   ARC491
VMFUTL2205I BUILD2    K     R/W   492   ARC492
VMFUTL2205I BUILD3    K     R/W   49D   ARC49D
VMFUTL2205I BASE0     L     R/W   2B2   ARC2B2
VMFUTL2205I --------  A     R/W   191   ARC191
VMFUTL2205I --------  B     R/O   5E5   MNT5E5
VMFUTL2205I --------  D     R/W   51D   MNT51D
VMFUTL2205I --------  S     R/O   190   CMS22
VMFUTL2205I --------  Y/S   R/O   19E   YDISK
VMFSET2760I VMFSETUP processing completed successfully
VMFREC2760I VMFREC processing started
VMFREC1852I Volume 1 of 1 of INS TAPE 0500
VMFREC1851I (1 of 9) VMFRCAXL processing AXLIST
VMFRCX2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (2 of 9) VMFRCPTF processing PARTLST
VMFRCP2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (3 of 9) VMFRCCOM processing DELTA
VMFRCC2159I Loading 0 part(s) to DELTA 2D2 (H)
VMFREC1851I (4 of 9) VMFRCALL processing APPLY
VMFRCA2159I Loading part(s) to APPLY 2A6 (F)
VMFRCA2159I Loaded 1 part(s) to APPLY 2A6 (F)
VMFREC1851I (5 of 9) VMFRCALL processing BASE
VMFRCA2159I Loading part(s) to BASE0 2B2 (L)
VMFRCA2159I Loaded 61 part(s) to BASE0 2B2 (L)
VMFREC1851I (6 of 9) VMFRCALL processing CLIENT
VMFRCA2159I Loading part(s) to BUILD2 492 (J)
VMFRCA2159I Loaded 12 part(s) to BUILD2 492 (J)
VMFREC1851I (7 of 9) VMFRCALL processing HELP
VMFRCA2159I Loading part(s) to BUILD3 49D (K)
VMFRCA2159I Loaded 12 part(s) to BUILD3 49D (K)
VMFREC1851I (8 of 9) VMFRCALL processing SAMPLES
VMFRCA2159I Loading part(s) to LOCALSAM 2C2 (E)
VMFRCA2159I Loaded 10 part(s) to LOCALSAM 2C2 (E)
VMFREC1851I (9 of 9) VMFRCALL processing SVM
VMFRCA2159I Loading part(s) to BUILD1 491 (I)
VMFRCA2159I Loaded 29 part(s) to BUILD1 491 (I)
VMFREC2760I VMFREC processing completed successfully
VMFINT2603I Product installed
VMFINS2760I VMFINS processing completed successfully
```

7 Review the install message log ($VMFINS $MSGLOG). If necessary, correct
any problems before going on. For information about handling specific error

messages, see the appropriate *z/VM: System Messages and Codes*, or use
on-line HELP.

vmfview install

6.4.1 Update Build Status Table for Archive Manager

1 Update the VM SYSBLDS software inventory file for Archive Manager.

vmfins build ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (serviced nolink

Use **ARCHMGR** for installing on minidisks or
ARCHMGRSFS for installing in Shared File
System directories.

The SERVICED option will build any parts that
were not built on the installation envelope (if any)
and update the Software Inventory build status
table showing that the product 5697J05A has been
built.

2 Review the install message log ($VMFINS $MSGLOG). If necessary, correct
any problems before going on. For information about handling specific error
messages, see the appropriate *z/VM: System Messages and Codes,* or use
on-line HELP.

vmfview install

6.5 Install Service for Archive Manager

Follow the instructions in 7.2, "Servicing Archive Manager" on page   38 to apply
any available PTFs for Archive Manager. You can then continue with the service
instructions in 7.3, "Place the New Archive Manager Service Into Production" on
page   40 or follow the steps below in 6.6, "Place Archive Manager Into Production"
to place Archive Manager into production.

6.6 Place Archive Manager Into Production

If you are installing on z/VM V6.2 or later, and are using minidisks, follow the steps in 6.6.1, "Copy Archive
Manager Files Into Production on z/VM V6.2 or Later Using Minidisks" on page   30 and then go to 6.7,
"Post-Installation Considerations" on page   36.

If you are installing on z/VM V6.2 or later, and are using Shared File System, follow the steps in 6.6.2, "Copy Archive Manager Files Into Production on z/VM V6.2 or Later Using Shared File System" on page 32 and then go to 6.7, "Post-Installation Considerations" on page 36.

If you are installing on z/VM V5.4, and are using minidisks, follow the steps in 6.6.3, "Copy Archive Manager Files Into Production on z/VM V5.4 Using Minidisks" on page 33 and then go to 6.7, "Post-Installation Considerations" on page 36.

If you are installing on z/VM V5.4, and are using Shared File System, follow the steps in 6.6.4, "Copy Archive Manager Files Into Production on z/VM V5.4 Using Shared File System" on page 35 and then go to 6.7, "Post-Installation Considerations" on page 36.

6.6.1 Copy Archive Manager Files Into Production on z/VM V6.2 or Later Using Minidisks

1 Logon to MAINT*vrm*

2 Move the Archive Manager Service Machine executables to the production disk.

link 5697J05A 491 491 rr	The VMFCOPY command will update the VMSES
access 491 e	PARTCAT file on the 591 disk.
link 5697J05A 591 591 mr	
access 591 f	
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace	

3 Release and detach the disks

rel 491 (det
rel 591 (det

4 Move the client code to the production disk.

link 5697J05A 492 492 rr	The VMFCOPY command will update the VMSES
access 492 e	PARTCAT file on the 592 disk.
link 5697J05A 592 592 mr	
access 592 f	
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace	

5 Release and detach the disks

rel 492 (det
rel 592 (det

6 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive Manager general use code on the 'Y' disk (product code or MAINT's 19E disk). Or logon to the owner of the disk that will contain the 'production' level of the Archive Manager code.

link 5697J05A 492 492 rr   The VMFCOPY command will update the VMSES
access 492 e   PARTCAT file on the 19E disk.
link MAINT*vrm* 19e 19e mr
access 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

7 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive Manager help files on the system AMENG Help (MAINT*vrm*'s 19D) disk.

link 5697J05A 49D 949D rr   The VMFCOPY command will update the VMSES
access 949D e   PARTCAT file on the AMENG Help (MAINT 19D)
link MAINT*vrm* 19d 19d mr   disk.
access 19d f
vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

8 If the MAINT*vrm* 19E disk was updated, rebuild the CMS saved system, to return the Y-disk (product code or MAINT's 19E disk) to 'shared' status.

Perform this step on **each member** of a cluster.

put2prod savecms

9 If you are installing on z/VM V6.3 or later, skip this step.

If you are installing on z/VM V6.2 and the MAINT 19D disk was updated, rebuild the CMS HELP logical saved segment, to include Archive Manager's help files from the AMENG Help (MAINT's 19D) disk.

Perform this step on **each member** of a cluster.

put2prod segments helpseg

10 Continue with 6.7, "Post-Installation Considerations" on page 36.

6.6.2 Copy Archive Manager Files Into Production on z/VM V6.2 or Later Using Shared File System

1 Logon to MAINT*vrm*

2 Move the Archive Manager Service Machine executables to the production disk.

access 5697J05A.ARCHMGR.TESTRUNTIME e   The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.RUNTIME f (forcerw   PARTCAT file in the RUNTIME directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

3 Move the client code to the production disk.

access 5697J05A.ARCHMGR.TESTCLIENT e   The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.CLIENT f (forcerw   PARTCAT file in the CLIENT directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

4 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive Manager general use code on the 'Y' disk (product code or MAINT's 19E disk). Or logon to the owner of the disk that will contain the 'production' level of the Archive Manager code.

access 5697J05A.ARCHMGR.TESTCLIENT e   The VMFCOPY command will update the VMSES
link MAINT*vrm* 19e 19e mr   PARTCAT file on the 19E disk.
access 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

5 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive Manager help files on the system AMENG Help (MAINT's 19D) disk.

access 5697J05A.ARCHMGR.TESTHELP e **link MAINT***vrm* **19d 19d mr** **access 19d f**	The VMFCOPY command will update the VMSES PARTCAT file on the AMENG Help (MAINT 19D) disk.

vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

> Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

6 If the MAINT*vrm* 19E disk was updated, rebuild the CMS saved system, to return the Y-disk (product code or MAINT's 19E disk) to 'shared' status.

Perform this step on **each member** of a cluster.

put2prod savecms

7 If you are installing on z/VM V6.3 or later, skip this step.

If you are installing on z/VM V6.2 and the MAINT 19D disk was updated, rebuild the CMS HELP logical saved segment, to include Archive Manager's help files from the AMENG Help (MAINT's 19D) disk.

Perform this step on **each member** of a cluster.

put2prod segments helpseg

8 Continue with 6.7, "Post-Installation Considerations" on page 36.

6.6.3 Copy Archive Manager Files Into Production on z/VM V5.4 Using Minidisks

1 Logon to MAINT

2 Move the Archive Manager Service Machine executables to the production disk.

link 5697J05A 491 491 rr **access 491 e** **link 5697J05A 591 591 mr** **access 591 f** **vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace**	The VMFCOPY command will update the VMSES PARTCAT file on the 591 disk.

3 Release and detach the disks

rel 491 (det
rel 591 (det

4 Move the client code to the production disk.

link 5697J05A 492 492 rr   The VMFCOPY command will update the VMSES
access 492 e   PARTCAT file on the 592 disk.
link 5697J05A 592 592 mr
access 592 f
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

5 Release and detach the disks

rel 492 (det
rel 592 (det

6 Logon to MAINT if you plan to put Archive Manager general use code on the
'Y' disk (product code or MAINT's 19E disk). Or logon to the owner of the
disk that will contain the 'production' level of the Archive Manager code.

link 5697J05A 492 492 rr   The VMFCOPY command will update the VMSES
access 492 e   PARTCAT file on the 19E disk.
access 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

7 Logon to MAINT if you plan to put Archive Manager help files on the system
AMENG Help (MAINT's 19D) disk.

link 5697J05A 49D 949D rr   The VMFCOPY command will update the VMSES
access 949D e   PARTCAT file on the AMENG Help (MAINT 19D)
access 19d f   disk.
vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

8 If the MAINT 19E disk was updated, rebuild the CMS saved system, to return
the Y-disk (product code or MAINT's 19E disk) to 'shared' status. See the
"Placing (Serviced) Components into Production" section of the *Service
Guide* for detailed information about how to save the CMS saved system.

9 If the MAINT 19D disk was updated, rebuild the CMS HELP logical saved
segment, to include Archive Manager's help files from the AMENG Help
(MAINT's 19D) disk. See the "Placing (Serviced) Components into

Production" section of the *Service Guide* for detailed information about how these segments should be saved on your system. (Note that you will need to use **(all** instead of **(serviced** on the VMSES/E VMFBLD command when re-building any segments.)

10 Continue with 6.7, "Post-Installation Considerations" on page 36.

6.6.4 Copy Archive Manager Files Into Production on z/VM V5.4 Using Shared File System

1 Logon to MAINT

2 Move the Archive Manager Service Machine executables to the production disk.

access 5697J05A.ARCHMGR.TESTRUNTIME e	The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.RUNTIME f (forcerw	PARTCAT file in the RUNTIME directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace	
	Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

3 Move the client code to the production disk.

access 5697J05A.ARCHMGR.TESTCLIENT e	The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.CLIENT f (forcerw	PARTCAT file in the CLIENT directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace	
	Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

4 Logon to MAINT if you plan to put Archive Manager general use code on the 'Y' disk (product code or MAINT's 19E disk). Or logon to the owner of the disk that will contain the 'production' level of the Archive Manager code.

access 5697J05A.ARCHMGR.TESTCLIENT e	The VMFCOPY command will update the VMSES
access 19e f	PARTCAT file on the 19E disk.
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace	
	Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

5 Logon to MAINT if you plan to put Archive Manager help files on the system AMENG Help (MAINT's 19D) disk.

access 5697J05A.ARCHMGR.TESTHELP e
access 19d f

The VMFCOPY command will update the VMSES PARTCAT file on the AMENG Help (MAINT 19D) disk.

vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

6 If the MAINT 19E disk was updated, rebuild the CMS saved system, to return the Y-disk (product code or MAINT's 19E disk) to 'shared' status. See the "Placing (Serviced) Components into Production" section of the *Service Guide* for detailed information about how to save the CMS saved system.

7 If the MAINT 19D disk was updated, rebuild the CMS HELP logical saved segment, to include Archive Manager's help files from the AMENG Help (MAINT's 19D) disk. See the "Placing (Serviced) Components into Production" section of the *Service Guide* for detailed information about how these segments should be saved on your system. (Note that you will need to use **(all** instead of **(serviced** on the VMSES/E VMFBLD command when re-building any segments.)

8 Continue with 6.7, "Post-Installation Considerations."

6.7 Post-Installation Considerations

Post-installation information is contained in the Archive Manager Administration Guide (SC18-9345). Perform the steps required for file tailoring and initial activation of the program, as described in the Administration Guide, before continuing.

> # Archive Manager is now installed, built, and customized on your system.

7.0 Service Instructions

This section of the Program Directory contains the procedure to install CORrective service to Archive Manager. VMSES/E is used to install service for Archive Manager.

To become more familiar with service using VMSES/E, you should read the introductory chapters in the *VMSES/E Introduction and Reference*. This manual also contains the command syntax for the VMSES/E commands listed in the procedure.

Note: Each step of the service instructions must be followed. Do not skip any step unless directed to do so. All instructions showing accessing of disks assume the use of default minidisk addresses. If different minidisk addresses are used, or if using a shared file system, change the instructions appropriately.

7.1 VMSES/E Service Process Overview

The following is a brief description of the main steps in servicing Archive Manager using VMSES/E.

- Setup Environment

  Access the software inventory disk. Use VMFSETUP command to establish the correct minidisk access order.

- Merge Service

  The VMFMRDSK command clears the alternate apply disk before receiving new service. This allows you to remove the new service if a serious problem is found.

- Receive Service

  The VMFREC command receives service from the delivery media and places it on the Delta disk.

- Apply Service

  The VMFAPPLY command updates the version vector table (VVT), which identifies the service level of all the serviced parts. In addition, AUX files are generated from the VVT for parts that require them.

- Reapply Local Service (if applicable)

  All local service (mods) must be entered into the software inventory to allow VMSES/E to track the changes and build them into the system. Refer to Chapter 7 in the *Service Guide* for this procedure.

- Build New Levels

  The build task generates the serviced level of an object and places the new object on a test BUILD disk.

- Place the New Service into Production

  Once the service is satisfactorily tested it should be put into production by copying the new service to the production disk, etc.

7.2 Servicing Archive Manager

Electronic Service (envelope file)

If you have received the service electronically or on DVD, follow the appropriate instructions to retrieve and decompress the envelope files to the MAINT*vrm* 500 minidisk if you are installing on z/VM V6.2 or later, or the MAINT 500 minidisk if you are installing on z/VM V5.4. The decompression is currently done by using the DETERSE MODULE (shipped with VMSES/E).

For more information on retrieving and decompressing service received as envelope files from Shopz, visit

   http://www.vm.ibm.com/install/servinst.html

The documentation envelope and the service (PTF) envelope must have a file type of SERVLINK. Make note of the file names that you are using as you will need to enter them in place of the variable *docenvfn* and *envfilename* in the VMSES/E service commands that follow.

The preferred method for installing service to z/VM products is to use the automated SERVICE command. The SERVICE command automates issuing the VMFREC, VMFAPPLY and VMFBLD commands. It can be used for Archive Manager after the product information for Archive Manager has been added to the VMSES/E Service Update Facility software inventory table (VM SYSSUF).

To use the automated SERVICE command to install your CORrective PTF service follow the instructions in 7.2.1, "Automated Service Commands." Otherwise follow the instructions in Appendix B, "Traditional Service Commands" on page 51.

7.2.1 Automated Service Commands

1 Logon to the Archive Manager service user ID

- If installing on z/VM V6.2 or later, logon to **MAINT***vrm*
- If installing on z/VM V5.4, logon to **5697J05A**

2 As a precaution, create a backup copy of the current Archive Manager disks or SFS directories. Save this copy of Archive Manager until you have completed installing the service and you are confident that the service runs correctly.

3 If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user that has it accessed R/W link it R/O. You then can issue the following commands to obtain R/W access to it.

link MAINT 51d 51d mr
access 51d d

The 51D minidisk is where the VMSES/E Software Inventory files and other product dependent files reside.

4 Add Archive Manager into the VM SYSSUF inventory table. This step only needs to be done once. It can be skipped the next time you apply service.

vmfsuftb

5 If installing on z/VM V6.2 or later

acc 500 c

6 If installing on z/VM V5.4

link MAINT 500 500 rr
acc 500 c

7 Receive any memos from the documentation envelope file and review them.

service {5697J05A%archmgr | 5697J05A%archmgrsfs} *docenvfn*
vmfupdat sysmemo

docenvfn is the file name of the documentation envelope (SERVLINK) file.

Use **archmgr** if you installed the product on minidisks or **archmgrsfs** if you installed the product in Shared File System directories.

8 Receive, Apply and Build the service

service {5697J05A%archmgr | 5697J05A%archmgrsfs} *envfilename*

envfilename is the file name of the COR (PTF) service envelope (SERVLINK) file.

Use **archmgr** if you installed the product on minidisks or **archmgrsfs** if you installed the product in Shared File System directories.

9 Check the service message log ($VMFSRV $MSGLOG) for warning and error messages. Take appropriate action based on any warning messages

received. Correct all errors reported and restart by issuing the SERVICE command as displayed in message VMFSRV2310W.

vmfview service

10 Use the VMFUPDAT SYSMEMO command to review any additional memos that were received with the service.

vmfupdat sysmemo

11 Continue with 7.3, "Place the New Archive Manager Service Into Production" to copy the new serviced files into production.

7.3 Place the New Archive Manager Service Into Production

If you installed the product on z/VM V6.2 or later, and are using minidisks, follow the steps in 7.3.1, "Copy the New Archive Manager Serviced Files Into Production on z/VM V6.2 or Later Using Minidisks."

If you installed the product on z/VM V6.2 or later, and are using Shared File System, follow the steps in 7.3.2, "Copy the New Archive Manager Serviced Files Into Production on z/VM V6.2 or Later Using Shared File System" on page 42.

If you installed the product on z/VM V5.4, and are using minidisks, follow the steps in 7.3.3, "Copy the New Archive Manager Serviced Files Into Production on z/VM V5.4 Using Minidisks" on page 44.

If you installed the product on z/VM V5.4, and are using Shared File System, follow the steps in 7.3.4, "Copy the New Archive Manager Serviced Files Into Production on z/VM V5.4 Using Shared File System" on page 45.

7.3.1 Copy the New Archive Manager Serviced Files Into Production on z/VM V6.2 or Later Using Minidisks

1 Logon to MAINT*vrm*

2 Move the Archive Manager Service Machine executables to the production disk.

link 5697J05A 491 491 rr
access 491 e
link 5697J05A 591 591 mr
access 591 f
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

The VMFCOPY command will update the VMSES PARTCAT file on the 591 disk.

3 Release and detach the disks

rel 491 (det
rel 591 (det

4 Move the client code to the production disk.

link 5697J05A 492 492 rr   The VMFCOPY command will update the VMSES
access 492 e   PARTCAT file on the 592 disk.
link 5697J05A 592 592 mr
access 592 f
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

5 Release and detach the disks

rel 492 (det
rel 592 (det

6 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive
Manager general use code on the 'Y' disk (product code or MAINT's 19E
disk). Or logon to the owner of the disk that will contain the 'production' level
of the Archive Manager code.

link 5697J05A 492 492 rr   The VMFCOPY command will update the VMSES
access 492 e   PARTCAT file on the 19E disk.
link MAINT*vrm* 19e 19e mr
access 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

7 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive
Manager help files on the system AMENG Help (MAINT's 19D) disk.

link 5697J05A 49D 949D rr   The VMFCOPY command will update the VMSES
access 949D e   PARTCAT file on the AMENG Help (MAINT 19D)
link MAINT*vrm* 19d 19d mr   disk.
access 19d f
vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

8 If the MAINT*vrm* 19E disk was updated, rebuild the CMS saved system, to
return the Y-disk (product code or MAINT's 19E disk) to 'shared' status.

Perform this step on **each member** of a cluster.

put2prod savecms

9 If you are installing on z/VM V6.3 or later, skip this step.

If you are installing on z/VM V6.2 and the MAINT 19D disk was updated, rebuild the CMS HELP logical saved segment, to include Archive Manager's help files from the AMENG Help (MAINT's 19D) disk.

Perform this step on **each member** of a cluster.

put2prod segments helpseg

<div style="border:1px solid black;">

You have finished servicing Archive Manager.

</div>

7.3.2 Copy the New Archive Manager Serviced Files Into Production on z/VM V6.2 or Later Using Shared File System

1 Logon to MAINT*vrm*

2 Move the Archive Manager Service Machine executables to the production disk.

access 5697J05A.ARCHMGR.TESTRUNTIME e　　The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.RUNTIME f (forcerw　PARTCAT file in the RUNTIME directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

3 Move the client code to the production disk.

access 5697J05A.ARCHMGR.TESTCLIENT e　　The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.CLIENT f (forcerw　PARTCAT file in the CLIENT directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you should **not** use ARCHMGRSFS in this command. ARCHMGR is required.

4 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive
Manager general use code on the 'Y' disk (product code or MAINT's 19E
disk). Or logon to the owner of the disk that will contain the 'production' level
of the Archive Manager code.

access 5697J05A.ARCHMGR.TESTCLIENT e   The VMFCOPY command will update the VMSES
link MAINT*vrm* **19e 19e mr**   PARTCAT file on the 19E disk.
access 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you
should **not** use ARCHMGRSFS in this command.
ARCHMGR is required.

5 Logon to MAINT*vrm* on **each member** of a cluster if you plan to put Archive
Manager help files on the system AMENG Help (MAINT's 19D) disk.

access 5697J05A.ARCHMGR.TESTHELP e   The VMFCOPY command will update the VMSES
link MAINT*vrm* **19d 19d mr**   PARTCAT file on the AMENG Help (MAINT 19D)
access 19d f   disk.

vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

Note that although you are installing in SFS, you
should **not** use ARCHMGRSFS in this command.
ARCHMGR is required.

6 If the MAINT*vrm* 19E disk was updated, rebuild the CMS saved system, to
return the Y-disk (product code or MAINT's 19E disk) to 'shared' status.

Perform this step on **each member** of a cluster.

put2prod savecms

7 If you are installing on z/VM V6.3 or later, skip this step.

If you are installing on z/VM V6.2 and the MAINT 19D disk was updated,
rebuild the CMS HELP logical saved segment, to include Archive Manager's
help files from the AMENG Help (MAINT's 19D) disk.

Perform this step on **each member** of a cluster.

put2prod segments helpseg

> **You have finished servicing Archive Manager.**

7.3.3 Copy the New Archive Manager Serviced Files Into Production on z/VM V5.4 Using Minidisks

1 Logon to MAINT

2 Move the Archive Manager Service Machine executables to the production disk.

link 5697J05A 491 491 rr   The VMFCOPY command will update the VMSES
access 491 e   PARTCAT file on the 591 disk.
link 5697J05A 591 591 mr
access 591 f
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

3 Release and detach the disks

rel 491 (det
rel 591 (det

4 Move the client code to the production disk.

link 5697J05A 492 492 rr   The VMFCOPY command will update the VMSES
access 492 e   PARTCAT file on the 592 disk.
link 5697J05A 592 592 mr
access 592 f
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

5 Release and detach the disks

rel 492 (det
rel 592 (det

6 Logon to MAINT if you plan to put Archive Manager general use code on the 'Y' disk (product code or MAINT's 19E disk). Or logon to the owner of the disk that will contain the 'production' level of the Archive Manager code.

link 5697J05A 492 492 rr
access 492 e
access 19e f
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

The VMFCOPY command will update the VMSES PARTCAT file on the 19E disk.

7 Logon to MAINT if you plan to put Archive Manager help files on the system AMENG Help (MAINT's 19D) disk.

link 5697J05A 49D 949D rr
access 949D e
access 19d f
vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

The VMFCOPY command will update the VMSES PARTCAT file on the AMENG Help (MAINT 19D) disk.

8 If the MAINT 19E disk was updated, rebuild the CMS saved system, to return the Y-disk (product code or MAINT's 19E disk) to 'shared' status. See the "Placing (Serviced) Components into Production" section of the *Service Guide* for detailed information about how to save the CMS saved system.

9 If the MAINT 19D disk was updated, rebuild the CMS HELP logical saved segment, to include Archive Manager's help files from the AMENG Help (MAINT's 19D) disk. See the "Placing (Serviced) Components into Production" section of the *Service Guide* for detailed information about how these segments should be saved on your system. (Note that you will need to use **(all** instead of **(serviced** on the VMSES/E VMFBLD command when re-building any segments.)

You have finished servicing Archive Manager.

7.3.4 Copy the New Archive Manager Serviced Files Into Production on z/VM V5.4 Using Shared File System

1 Logon to MAINT

2 Move the Archive Manager Service Machine executables to the production disk.

access 5697J05A.ARCHMGR.TESTRUNTIME e   The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.RUNTIME f (forcerw   PARTCAT file in the RUNTIME directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

        Note that although you are installing in SFS, you
        should **not** use ARCHMGRSFS in this command.
        ARCHMGR is required.

3 Move the client code to the production disk.

access 5697J05A.ARCHMGR.TESTCLIENT e   The VMFCOPY command will update the VMSES
access 5697J05A.ARCHMGR.CLIENT f (forcerw   PARTCAT file in the CLIENT directory.
vmfcopy * * e = = f (prodid 5697J05A%ARCHMGR olddate replace

        Note that although you are installing in SFS, you
        should **not** use ARCHMGRSFS in this command.
        ARCHMGR is required.

4 Logon to MAINT if you plan to put Archive Manager general use code on the
'Y' disk (product code or MAINT's 19E disk). Or logon to the owner of the
disk that will contain the 'production' level of the Archive Manager code.

access 5697J05A.ARCHMGR.TESTCLIENT e   The VMFCOPY command will update the VMSES
access 19e f   PARTCAT file on the 19E disk.
vmfcopy * * e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

        Note that although you are installing in SFS, you
        should **not** use ARCHMGRSFS in this command.
        ARCHMGR is required.

5 Logon to MAINT if you plan to put Archive Manager help files on the system
AMENG Help (MAINT's 19D) disk.

access 5697J05A.ARCHMGR.TESTHELP e   The VMFCOPY command will update the VMSES
access 19d f   PARTCAT file on the AMENG Help (MAINT 19D)
    disk.
vmfcopy * helpaamv e = = f2 (prodid 5697J05A%ARCHMGR olddate replace
vmfcopy aamv helpmenu e = = f2 (prodid 5697J05A%ARCHMGR olddate replace

        Note that although you are installing in SFS, you
        should **not** use ARCHMGRSFS in this command.
        ARCHMGR is required.

6 If the MAINT 19E disk was updated, rebuild the CMS saved system, to return the Y-disk (product code or MAINT's 19E disk) to 'shared' status. See the "Placing (Serviced) Components into Production" section of the *Service Guide* for detailed information about how to save the CMS saved system.

7 If the MAINT 19D disk was updated, rebuild the CMS HELP logical saved segment, to include Archive Manager's help files from the AMENG Help (MAINT's 19D) disk. See the "Placing (Serviced) Components into Production" section of the *Service Guide* for detailed information about how these segments should be saved on your system. (Note that you will need to use **(all** instead of **(serviced** on the VMSES/E VMFBLD command when re-building any segments.)

You have finished servicing Archive Manager.

Appendix A. Create Product Parameter File (PPF) Override

This section provides information to help you create a product parameter file (PPF) override. The example used in this section shows how to change the shared file system (SFS) file pool where Archive Manager files reside.

Note: Do **not** modify the product supplied 5697J05A $PPF or 5697J05A PPF files to change the file pool name or any other installation parameters. If the 5697J05A $PPF file is serviced, the existing $PPF file will be replaced, and any changes to that file will be lost; by creating your own $PPF override, your updates will be preserved.

The following process is an example. The values shown can be useful to to customers installing on z/VM V6.2 or later. The example describes how to change the default file pool name, VMSYS, to

- VMPSFS for all SFS directories that will be shared across a z/VM V6.2 or later cluster

- MYPOOL1 for all SFS directories that should be unique on each member of a z/VM V6.2 or later cluster. You can also choose to specify VMSYS as the file pool for these SFS directories.

1 Create a new $PPF override file, or edit the override file created via the 'Make Override Panel' function.

xedit *overname* **$PPF** *fm***2**

overname is the PPF override file name (such as 'myarchmgr') that you want to use.

fm is an appropriate file mode. If you create this file yourself, specify a file mode of A.

If you modify an existing override file, specify a file mode of A or D, based on where the file currently resides (A being the file mode of a R/W 191 minidisk, or equivalent; D, that of the MAINT 51D minidisk).

2 Create (or modify as required) the Variable Declarations (:DCL.) section for the archmgrsfs override area, so that it resembles the :DCL. section shown below. This override will be used for the installation of Archive Manager. Modifications needed are denoted in **bold** print.

```
:OVERLST. ARCHMGRSFS
*
* ==================================================================== *
* Override Section for Initial Installation (Using SFS Directories)   *
* ==================================================================== *
:ARCHMGRSFS. ARCHMGRSFS 5697J05A
:DCL. UPDATE
&191    DIR VMPSFS:5697J05A.
&CONFG  DIR VMPSFS:5697J05A.ARCHMGR.CONFIGURATION
&SVM0   DIR VMPSFS:5697J05A.ARCHMGR.RUNTIME
&SAMPZ  DIR VMPSFS:5697J05A.ARCHMGR.SAMPLES
&CLI0   DIR VMPSFS:5697J05A.ARCHMGR.CLIENT
&BLD1   DIR VMPSFS:5697J05A.ARCHMGR.TESTRUNTIME
&CLI1   DIR VMPSFS:5697J05A.ARCHMGR.TESTCLIENT
&HLP1   DIR VMPSFS:5697J05A.ARCHMGR.TESTHELP
&BAS0   DIR VMPSFS:5697J05A.ARCHMGR.BASE
&DELTZ  DIR VMPSFS:5697J05A.ARCHMGR.DELTA
&APPLX  DIR VMPSFS:5697J05A.ARCHMGR.APPLYALT
&APPLZ  DIR VMPSFS:5697J05A.ARCHMGR.APPLYPROD
&ADMIN  DIR VMPSFS:AMVADMIN.
&CATLG  DIR MYPOOL1:AMVCATLG.
&MASTR  DIR MYPOOL1:AMVARKIV.
&WRK01  DIR MYPOOL1:AMVWRK01.
&WRK02  DIR MYPOOL1:AMVWRK02.
&WRK03  DIR MYPOOL1:AMVWRK03.
&WRK04  DIR MYPOOL1:AMVWRK04.
:EDCL.
:END.
*
```

(This override will replace the :DCL. section of the archmgrsfs override area of the 5697J05A $PPF file.)

3 If your $PPF override file was created at file mode A, copy it to file mode D—the Software Inventory minidisk (MAINT 51D). Then erase it from file mode A.

file
copyfile *overname* **$PPF** *fm* **= = d (olddate**
erase *overname* **$PPF** *fm*

4 Compile your changes to create the usable *overname* PPF file.

vmfppf *overname* **ARCHMGRSFS**   where *overname* is the file name of your $PPF
                                                         override file.

5 Update the VM SYSSUF Software Inventory table. Since you created a PPF
     override to the 5697J05A $PPF file you need to make sure that the override
     name you created is reflected in the PPF tags for Archive Manager in the VM
     SYSSUF table. Type in the command VMFUPDAT SYSSUF. This will bring
     up a panel so that you can change the PPF names stored in the VM
     SYSSUF file. Locate 5697J05A under the 'Prodid' column. Replace the PPF
     name for INSTPPF, BLDPPF and P2PPPF for 5697J05A with your new PPF
     override file name. Use PF5 to process your changes.

Now that the *overname* PPF file has been created, you should specify *overname*
instead of 5697J05A as the PPF name to be used for those VMSES/E commands
that require a PPF name.

Appendix B. Traditional Service Commands

B.1.1.1 Prepare to Receive Service

Electronic Service (envelope file)

If you have received the service electronically or on DVD, follow the appropriate instructions to retrieve and decompress the envelope files to the MAINT*vrm* 500 minidisk if you are installing on z/VM V6.2 or later, or the MAINT 500 minidisk if you are installing on z/VM V5.4. The decompression is currently done by using the DETERSE MODULE (shipped with VMSES/E).

The documentation envelope and the service (PTF) envelope must have a file type of SERVLINK. Make note of the file names that you are using as you will need to enter them in place of the variable *docenvfn* and *envfilename* in the VMSES/E service commands that follow.

The *ppfname* used throughout these servicing instructions is **5697J05A**, which assumes you are using the PPF supplied by IBM for Archive Manager. If you have your own PPF override file for Archive Manager, you should use your file's *ppfname* instead of **5697J05A**. The *ppfname* you use should be used **throughout** the rest of this procedure, unless otherwise stated differently.

1 Logon to the Archive Manager service user ID

  - If installing on z/VM V6.2 or later, logon to **MAINT***vrm*
  - If installing on z/VM V5.4, logon to **5697J05A**

2 As a precaution, create a backup copy of the current Archive Manager disks or SFS directories. Save this copy of Archive Manager until you have completed installing the service and you are confident that the service runs correctly.

3 If the Software Inventory disk (51D) was accessed R/O (read only) then establish write access to the Software Inventory disk.

  Note: If the MAINT 51D minidisk was accessed R/O, you will need to have the user that has it accessed R/W link it R/O. You then can issue the following commands to obtain R/W access to it.

link MAINT 51d 51d mr **access 51d d**	The 51D minidisk is where the VMSES/E Software Inventory files and other product dependent files reside.

4 Add Archive Manager into the VM SYSSUF inventory table. This step only needs to be done once. It can be skipped the next time you apply service.

vmfsuftb

5 If installing on z/VM V6.2 or later

link MAINT*vrm* **500 500 rr**
acc 500 c

6 If installing on z/VM V5.4

link MAINT 500 500 rr
acc 500 c

7 Receive the documentation.

vmfrec info (env *docenvfn*   The INFO option loads the documentation (including the product service memo) to the 191 disk and displays a list of products in the envelope file.

8 Check the receive message log ($VMFREC $MSGLOG) for warning and error messages.

vmfview receive   Also make note of which products and components have service. To do this, use the PF5 key to show all status messages which identify the products with service.

9 Read the product memo (5697J05A MEMO) before going on.

10 Setup the correct product access order.

vmfsetup 5697J05A {ARCHMGR | ARCHMGRSFS}

                                     Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.

11 Merge previously applied service to ensure that you have a clean alternate APPLY disk for new service.

vmfmrdsk 5697J05A {ARCHMGR | ARCHMGRSFS} apply

> Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.
>
> This command clears the alternate APPLY disk.

12 Review the merge message log ($VMFMRD $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview mrd

B.1.1.2 Receive the Service

Note: If you are installing multiple service envelope files, you can receive all of the service for this prodid before applying and building it.

For **each** service electronic envelope you want to receive, do the following:

> **1** Receive the service.

vmfrec ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (env *envfilename*

> Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.
>
> This command receives service from your service envelope. All new service is loaded to the DELTA disk.

> **2** Review the receive message log ($VMFREC $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview receive

B.1.1.3 Apply the Service

> **1** Apply the new service.

vmfapply ppf 5697J05A {ARCHMGR I ARCHMGRSFS}

Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.

This command applies the service that you just received. The version vector table (VVT) is updated with all serviced parts and all necessary AUX files are generated on the alternate APPLY disk.

You must review the VMFAPPLY message log if you receive a return code (RC) of a 4, as this may indicate that you have local modifications that need to be reworked.

2 Review the apply message log ($VMFAPP $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview apply

┌─ Note ───

If you get the message VMFAPP2120W then re-apply any local modifications before building the new Archive Manager. Refer to chapter 7 in the *Service Guide*. Follow the steps that are applicable to your local modification.

The following substitutions need to be made:

- **zvm** should be **5697J05A**

- *compname* should be **ARCHMGR** or **ARCHMGRSFS** (minidisk or SFS)

- *appid* should be **5697J05A**

- *fm-local* should be the fm of 2C4

- *fm-applyalt* should be the fm of 2A6

If you have changed any of the installation parameters through a PPF override, you need to substitute your changed values where applicable.

Keep in mind that when you get to the "Return to the Appropriate Section to Build Remaining Objects" or "Rebuild Remaining Objects" step in the VM *Service Guide*, you should return back to this program directory at B.1.1.4, "Update the Build Status Table."
──

B.1.1.4 Update the Build Status Table

1 Update the Build Status Table with serviced parts.

vmfbld ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (status

Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.

This command updates the Build Status Table.

```
VMFBLD2185R The following source product parameter files have been
            serviced:
VMFBLD2185R 5697J05A $PPF
VMFBLD2185R When source product parameter files are serviced, all
            product parameter files built from them must be recompiled
            using VMFPPF before VMFBLD can be run.
VMFBLD2185R Enter zero (0) to have the latest level of the source product
            parameter files copied to your A-disk and exit VMFBLD so
            you can recompile your product parameter files with VMFPPF.
            Enter one (1) to continue only if you have already
            recompiled your product parameter files with VMFPPF.
```

0	Enter a 0 and complete the following steps before you continue.

```
VMFBLD2188I Building 5697J05A $PPF
            on 191 (A) from level $PFnnnnn
```

vmfppf 5697J05A *	**Note:** If you have created your own PPF override then use your PPF name instead of 5697J05A.
copy 5697J05A $PPF a = = d (olddate replace erase 5697J05A $PPF a	**Note:** **Do not** use your own PPF name in place of 5697J05A for the COPYFILE and ERASE commands.
vmfbld ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (status	
1	Re-issue VMFBLD to complete updating the build status table. If you have your own PPF name then you should use it on the VMFBLD command.
	Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories. When you receive the prompt that was previously displayed, enter a 1 to continue.

---

2 Use VMFVIEW to review the build status messages, and see what objects need to be built.

vmfview build

B.1.1.5 Build Serviced Objects

1 Rebuild Archive Manager serviced parts.

vmfbld ppf 5697J05A {ARCHMGR | ARCHMGRSFS} (serviced

Use **ARCHMGR** for installing on minidisks or **ARCHMGRSFS** for installing in Shared File System directories.

Note: If your software inventory disk (51D) is not owned by the MAINT user ID then make sure the VMSESE PROFILE reflects the correct owning user ID.

2 Review the build message log ($VMFBLD $MSGLOG). If necessary, correct any problems before going on. For information about handling specific error messages, see the appropriate *z/VM: System Messages and Codes*, or use on-line HELP.

vmfview build

3 Continue with 7.3, "Place the New Archive Manager Service Into Production" on page 40 to copy the new serviced files into production.

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│                                                                            │
│        very          <------------------------------>      very      not   │
│      satisfied                                          dissatisfied applicable │
│                                                                            │
│         1            2          3          4               5          N    │
│                                                                            │
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```

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Time required to install the product	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Installation verification procedure	1	2	3	4	5	N
Ease of customizing the product	1	2	3	4	5	N
Ease of migrating the product from a previous release	1	2	3	4	5	N
Ease of putting the system into production after installation	1	2	3	4	5	N
Ease of installing service	1	2	3	4	5	N

- Did you order this product as an independent product or as part of a package?

    ☐ Independent
    ☐ Package

    What type of package was ordered?

    ☐ System Delivery Offering (SDO)
    ☐ Other - Please specify type: _____

- Is this the first time your organization has installed this product?

  ☐ Yes
  ☐ No

- Were the people who did the installation experienced with the installation of VM products using VMSES/E?

  ☐ Yes

  How many years of experience do they have? _____

  ☐ No

- How long did it take to install this product? _____

- If you have any comments to make about your ratings above, or any other aspect of the product installation, please list them below:

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