



**Program Directory for  
IBM DATABASE 2 SERVER for OS/390  
Rexx Language Support**

Version 5 Release 1, Modification Level 0

Program Number 5655-DB2

FMID JDB551H

for Use with  
OS/390

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**Note!**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page iv.

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APAR numbers are provided in this document to assist in locating PTFs that may be required. Ongoing problem reporting may result in additional APARs being created. Therefore, the APAR lists in this document may not be complete. To obtain current service recommendations and to identify current product service requirements, always contact the IBM Customer Support Center.

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## 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 IBM Database 2 Server for OS/390 Rexx Language Support. This publication refers to IBM Database 2 Server for OS/390 Rexx Language Support as Rexx Language Support. 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 3 identifies the basic and optional program materials and documentation for Rexx Language Support.
- 3.0, “Program Support” on page 5 describes the IBM support available for Rexx Language Support.
- 5.0, “Installation Requirements and Considerations” on page 7 identifies the resources and considerations for installing and using Rexx Language Support.
- 6.0, “Installation Instructions” on page 13 provides detailed installation instructions for Rexx Language Support. It also describes the procedures for activating the functions of Rexx Language Support, or refers to appropriate publications.
- Appendix A, “Rexx Language Support Install Logic” on page 17 provides the install logic for Rexx Language Support.

Before installing Rexx Language Support, read 3.2, “Preventive Service Planning” on page 5. This section tells you how to find any updates to the information and procedures in this program directory.

Do not use this program directory if you are installing Rexx Language Support with an MVS Custom-Built Installation Process Offering (CBIPO), SystemPac, or ServerPac. When using these offerings, use the jobs and documentation supplied with the offering. This documentation may point you to specific sections of the program directory as required.

If you are installing Rexx Language Support using the MVS Custom-Built Product Delivery Offering (CBPDO) (5751-CS3), use the softcopy program directory provided on the CBPDO tape. Your CBPDO contains a softcopy preventive service planning (PSP) upgrade for this product. All service and HOLDDATA for Rexx Language Support are included on the CBPDO tape.

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### 1.1 Rexx Language Support Description

This feature provides Rexx Language Support for DB2 access from Rexx programs running either in a standard MVS Rexx procedure environment or for stored procedures written to use as a Rexx language.

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## 1.2 Rexx Language Support FMID

Rexx Language Support consists of the following FMID:

JDB551H



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## 2.0 Program Materials

An IBM program is identified by a program number and a feature number. The program number for Rexx Language Support is 5655-DB2.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature code, and are required for the use of the product. Optional Machine-Readable Materials are orderable under separate feature codes, and are not required for the product to function.

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

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### 2.1 Basic Machine-Readable Material

The distribution medium for this program is 9-track magnetic tape (written at 6250 BPI), 3480 cartridge, or 4mm cartridge. The tape or cartridge contains all the programs and data needed for installation. It is installed using SMP/E, and is in SMP/E RELFILE format. See 6.0, "Installation Instructions" on page 13 for more information about how to install the program.

Figure 1 describes the tape or cartridge. Figure 2 describes the file content of the program tape or cartridge.

**Note:** If you are installing Rexx Language Support using the MVS Custom-Built Product Delivery Offering (CBPDO) (5751-CS3), some of the information in these figures may not be valid. Consult the CBPDO documentation for actual values.

*Figure 1. Basic Material: Program Tape*

Medium	Feature Number	Physical Volume	External Label Identification	VOLSER
6250 tape	5861	1	Rexx Language Supt	DB551H
3480 cartridge	5862	1	Rexx Language Supt	DB551H
4mm cartridge	5275	1	Rexx Language Supt	DB551H

*Figure 2. Program Tape: File Content*

VOLSER	File	Name	Dist Library	RECFM	LRECL	BLK SIZE
DB551H	1	SMPMCS	n/a	FB	80	6400
	2	IBM.JDB551H.F1	n/a	FB	80	8800
	3	IBM.JDB551H.F2	ADSNLOAD	U	0	6144
	4	IBM.JDB551H.F3	ADSNMACS	FB	80	8800

---

## 2.2 Program Publications

The following sections identify the basic and optional publications for Rexx Language Support.

No licensed or unlicensed publications are provided for Rexx Language Support.

### 2.2.1 Optional Program Publications

No optional publications are provided for Rexx Language Support.

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## 2.3 Program Source Materials

No program source materials or viewable program listings are provided for Rexx Language Support.

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## 2.4 Publications Useful During Installation

*Figure 3. Publications Useful During Installation*

<b>Publication Title</b>	<b>Form Number</b>
<i>SMP/E User's Guide</i>	SC28-1302
<i>SMP/E Reference</i>	SC28-1107
<i>SMP/E Messages and Codes</i>	SC28-1108
<i>OS/390 SMP/E User's Guide</i>	SC28-1740
<i>OS/390 SMP/E Reference</i>	SC28-1806
<i>OS/390 SMP/E Messages and Codes</i>	SC28-1738

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## 3.0 Program Support

This section describes the IBM support available for Rexx Language Support.

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### 3.1 Program Services

Contact your IBM representative for specific information about available program services.

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### 3.2 Preventive Service Planning

Before installing Rexx Language Support, you should review the current Preventive Service Planning (PSP) information. If you obtained Rexx Language Support as part of a CBPDO, there is HOLDDATA and PSP information included on the CBPDO tape.

If you obtained Rexx Language Support on a product tape, or if the CBPDO is more than two weeks old when you install it, you should contact the IBM Support Center or use S/390 SoftwareXcel to obtain the current "PSP Bucket".

PSP Buckets are identified by UPGRADEs, which specify product levels, and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for Rexx Language Support are:

UPGRADE	SUBSET	Description
DB2510	JDB551H	Rexx Language Support

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### 3.3 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 provide the address to which any needed documentation can be sent.

Figure 5 identifies the component IDs (COMPID) for Rexx Language Support.

FMID	COMPID	Component Name	RETAIN Release
JDB551H	5740XYR00	Rexx Language Support	51H

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## **4.0 Program and Service Level Information**

This section identifies the program and any relevant service levels of Rexx Language Support. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs integrated. Information about the cumulative service tape is also provided.

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### **4.1 Program Level Information**

No APARs have been incorporated into Rexx Language Support.

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### **4.2 Service Level Information**

No PTFs against this release of Rexx Language Support have been incorporated into the product tape.

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### **4.3 Cumulative Service Tape**

A cumulative service tape, containing PTFs not incorporated into this release, might be included with this program. Installation instructions for cumulative service tapes can be found in the SMP/E publications.

If you received this product as part of a CBPDO or a ProductPac, PTFs not incorporated into this release are provided on the tape, and a separate cumulative service tape will not be provided.

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## 5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating Rexx Language Support. The following terminology is used:

- *Driving system*: the system used to install the program.
- *Target system*: the system on which the program is installed.

In many cases, the same system can be used as both a driving system and a target system. However, you may want to set up a clone of your system to use as a target system by making a separate IPL-able copy of the running system. The clone should include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Some cases where two systems should be used include the following:

- When installing a new level of a product that is already installed, the new product will delete the old one. By installing onto a separate target system, you can test the new product while still keeping the old one in production.
- When installing a product that shares libraries or load modules with other products, the installation can disrupt the other products. Installing onto a test system or clone will allow you to assess these impacts without disrupting your production system.

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### 5.1 Driving System Requirements

This section describes the environment of the driving system required to install Rexx Language Support.

#### 5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

#### 5.1.2 Programming Requirements

*Figure 6. Driving System Software Requirements*

Program Numbers	Product Name and Minimum VRM/Service Level
5645-001	OS/390 System Modification Program/Extended (SMP/E) Release 1 or higher

**5.1.2.1 Required Toleration PFTs:** In order to avoid syntax errors on the DESCRIPTION operand, introduced with OS/390 Version 2 Release 7, during the SMP/E installation of Rexx Language Support, you are required to install one of the following:

### Toleration PTFs

- OS/390 Version 1 Release 2:
  - PTF UR51071 or
- OS/390 Version 1 Release 3:
  - PTF UR51067 or
- SMP/E Release 8.1:
  - PTF UR51070

## 5.2 Target System Requirements

This section describes the environment of the target system required to install and use Rexx Language Support.

### 5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

### 5.2.2 Programming Requisites

**5.2.2.1 Minimum Requisites:** A minimum requisite is defined as one of the following:

1. *Installation Requisite:* A product that is required at installation time. i.e. this product **will not install** successfully unless this requisite is met. This includes products that are specified as REQs, PREs, or CALLLIBs.
2. *Run Time Requisite:* A product that is **not** required for the successful installation of this product, but **is** needed at run time in order for this product to work.

Figure 7. Minimum Requisites

Program Number	Product Name and Minimum VRM/Service Level	Install Req?
5645-001	OS/390 System Modification Program/Extended (SMP/E) Release 1 or higher	Yes
5655-DB2	Database 2 Server for OS/390 Version 5	Yes
5695-047	MVS/ESA SP 4.3 or higher	Yes

**5.2.2.2 Functional Requisites:** A functional requisite is defined as a product that is *not* required for the successful installation of this product or for the base function of the product, but *is* needed at run time for a specific function of this product to work. This includes products that are specified as IF REQs.

Rexx Language Support requires DB2 Server for OS/390 Version 5 APAR PQ29706.

**5.2.2.3 Toleration/Coexistence Requisites:** A toleration/coexistence requisite is defined as a product which must be present on a sharing system. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD at different time intervals.

There are no applicable requisites for DB2 for OS/390 Version 5.

**5.2.2.4 Incompatibility (Negative) Requisites:** A negative requisite identifies products which must *not* be installed on the same system as this product.

There are no applicable requisites for the Rexx Language Support feature of DB2 Server for OS/390 Version 5.

## 5.2.3 DASD Storage Requirements

Rexx Language Support libraries can reside on 3380 and 3390 DASD.

Figure 8 lists the total space required for each type of library.

<i>Figure 8. Total DASD Space Required by Rexx Language Support</i>	
<b>Library Type</b>	<b>Total Space Required</b>
Target	40 tracks for 3390 DASD
Distribution	28 tracks for 3390 DASD

### Notes:

1. The data set sizes specified contain 15% extra space. You may wish to revise these numbers based on your plans for adding additional function or service.
2. IBM recommends use of system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, IBM recommends a block size of 32760, which is the most efficient from a performance and DASD utilization perspective.

If you choose not to use system determined block sizes, use the block sizes and numbers of blocks specified to allocate the data sets. Data sets can be reblocked to a larger size. Please note that the maximum allowable block size will depend on the type of DASD on which the dataset will reside.

3. Abbreviations used for the data set type are:

- U** Unique data set used by only the FMIDs listed. In order to determine the correct storage needed for this data set, this table provides all required information; no other tables (or program directories) need to be referenced for the data set size.
- S** Shared data set used by more than the FMIDs listed. In order to determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old one and reclaim the space used by the old release and any service that had been installed. You can determine whether or not these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

*Figure 9. Storage Requirements for SMP/E Work Data Sets*

<b>Library DDNAME</b>	<b>T Y P E</b>	<b>D S O R G A N I Z A T I O N</b>	<b>R E C O R D S</b>	<b>L I N E S</b>	<b>No. of Blks</b>	<b>BLK SIZE</b>	<b>No. of 3380/ 9345 Trks</b>	<b>No. of 3390 Trks</b>	<b>No. of DIR Blks</b>
SMPWRK1	S	PO	-	-	-	-	165	150	250
SMPWRK2	S	PO	-	-	-	-	165	150	259
SMPWRK3	S	PO	-	-	-	-	165	150	250
SMPWRK4	S	PO	-	-	-	-	165	150	250
SMPWRK6	S	PO	-	-	-	-	165	150	250
SYSUT1	U	PS	-	-	-	-	85	75	-
SYSUT2	U	PS	-	-	-	-	85	75	-
SYSUT3	U	PS	-	-	-	-	85	75	-
SYSUT4	U	PS	-	-	-	-	85	75	-

The following table provides an estimate of the storage needed in the SMP/E data sets for Rexx Language Support. The estimates must be added to those of any other programs and service being installed to determine the total additional storage requirements.

*Figure 10 (Page 1 of 2). Storage Requirements for SMP/E Data Sets*

<b>Library DDNAME</b>	<b>T Y P E</b>	<b>D S O R G A N I Z A T I O N</b>	<b>R E C O R D S</b>	<b>L I N E S</b>	<b>No. of Blks</b>	<b>BLK SIZE</b>	<b>No. of 3380/ 9345 Trks</b>	<b>No. of 3390 Trks</b>	<b>No. of DIR Blks</b>
SMPLTS	S	PO	FB	80	-	3120	404	350	50
SMPMTS	S	PO	FB	80	-	3120	15	13	60



Figure 10 (Page 2 of 2). Storage Requirements for SMP/E Data Sets

Library DDNAME	T Y P E	D S R G	R E C F M	L E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
SMPPTS	S	PO	FB	80	-	3120	47	40	300
SMPSCDS	S	PO	FB	80	-	3120	670	580	300
SMPSTS	S	PO	FB	45	-	3120	47	40	150
SMPLOG	S	PS	VB	500	-	3200	525	450	-
SMPLOGA	S	PS	VB	250	-	3200	263	225	-

The following figures list the target and distribution libraries (data sets) and their attributes required to install Rexx Language Support. The storage requirements of Rexx Language Support must be added to the storage required by other programs having data in the same data set (library).

Figure 11. Storage Requirements for Rexx Language Support Target Libraries

Library DDNAME	T Y P E	D S R G	R E C F M	L E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
SDSNLOAD	U	PO	U	0	5	6144	19	16	10
SDSNSAMP	U	PO	FB	80	5	8800	15	12	3
SDSNDBRM	U	PO	FB	80	5	8800	15	12	3

Figure 12. Storage Requirements for Rexx Language Support Distribution Libraries

Library DDNAME	T Y P E	D S R G	R E C F M	L E C L	No. of Blks	BLK SIZE	No. of 3380/ 9345 Trks	No. of 3390 Trks	No. of DIR Blks
ADSNMACS	S	PO	FB	80	5	8800	15	12	3
ADSNLOAD	S	PO	U	0	5	6144	19	16	10

## 5.3 FMIDs Deleted

Installing Rexx Language Support will not result in the deletion of any FMIDs.

---

## 5.4 Special Considerations

Rexx Language Support has no special considerations for the target system.

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## 6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of Rexx Language Support.

Please note the following:

- If you want to install Rexx Language Support into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.
- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.
- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

---

### 6.1 Installing Rexx Language Support

#### 6.1.1 SMP/E Considerations for Installing Rexx Language Support

This release of Rexx Language Support is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

#### 6.1.2 SMP/E Environment

All SMP/E installation jobs provided assume that all necessary DD statements for the execution of SMP/E are defined using DDDEFs.

Sample jobs are provided to assist you in installing Rexx Language Support. After the RECEIVE step has been completed, the sample jobs can be found in SMPTLIB: **IBM.JDB551H.F3**. Make a copy of these jobs in your own library and modify them to use during the installation of Rexx Language Support. The sample jobs are:

**DSNTTJRC**     Sample RECEIVE job  
**DSNTTJAP**     Sample APPLY job  
**DSNTTJAC**     Sample ACCEPT job

In the sample SMP/E jobs provided, the name of the SMP/E CSI is ?SMPPRE.?SMPMLQ. The global zone name in the SMP/E CSI is GLOBAL. The distribution zone name is DSNDLIB. The target zone name is DSNTARG. The sample jobs should be updated to reflect the CSI and zone names used at your installation.

### 6.1.3 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 13 on page 14. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

<i>Figure 13. SMP/E Options Subentry Values</i>		
SUB-ENTRY	Value	Comment
DSSPACE	200,200,600	3390 DASD Tracks
PEMAX	9999	The SMP/E default is larger than what can be specified here

### 6.1.4 Unload the Sample JCL from the Product Tape

Sample installation jobs are provided on the distribution tape to help you install Rexx Language Support. The following sample JCL will copy the Rexx Language Support jobs from the tape. Add a job card and modify the parameters in boldface to uppercase values to meet your site's requirements before submitting.

```
//STEP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=A
//IN DD DSN=IBM.JDB551H.F3,UNIT=tunit,VOL=SER=DB551H,
// LABEL=(4,SL),DISP=(OLD,KEEP)
//OUT DD DSNAME=jcl-library-name,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=dunit,
// DCB=*.STEP1.IN,SPACE=(8800,(15,5,5))
//SYSUT3 DD UNIT=SYSDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=IN,OUTDD=OUT
SELECT MEMBER=(DSNTTJAC,DSNTTJAP,DSNTTJRC)
/*
```

where **tunit** is the unit value matching the product tape or cartridge, **jcl-library-name** is the name of the data set where the sample jobs will reside, **dasdvol** is the volume serial of the DASD device where the data set will reside, and **dunit** is the DASD unit type of the volume.

You can also access the sample installation jobs by performing an SMP/E RECEIVE for FMID JDB551H, and then copying the jobs from dataset **hlq.IBM.JDB551H.F3** to a work dataset for editing and submission.

## 6.1.5 Perform SMP/E RECEIVE

Edit and submit sample job DSNTTJRC to perform the SMP/E RECEIVE for Rexx Language Support. Consult the instructions in the sample job for more information.

NOTE: if you obtained Rexx Language Support as part of a CBPDO, you can use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the Rexx Language Support FMIDs as well as any service, HOLDDATA, or preventive service planning (PSP) information included on the CBPDO tape. For more information, refer to the documentation included with the CBPDO.

**Expected Return Codes and Messages:** This job should complete with return code 4 or less. NOTE: If you are running a lower level of OS/390 Version 2 Release 7, your job will end with a return code of 4, issuing a GIM50050W warning message.

## 6.1.6 Perform SMP/E APPLY CHECK

Edit and submit sample job DSNTTJAP to perform an SMP/E APPLY CHECK for Rexx Language Support. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

**Expected Return Codes and Messages:** This job should complete with return code 4 or less. NOTE: If you are running a lower level of OS/390 Version 2 Release 7, your job will end with a return code of 4, issuing a GIM50050W warning message.

## 6.1.7 Perform SMP/E APPLY

Remove the CHECK operand from the sample job DSNTTJAP to perform an SMP/E APPLY for Rexx Language Support. Consult the instructions in the sample job for more information.

**Expected Return Codes and Messages:** This job should complete with return code 4 or less. NOTE: If you are running a lower level of OS/390 Version 2 Release 7, your job will end with a return code of 4, issuing a GIM50050W warning message.

## 6.1.8 Perform SMP/E ACCEPT CHECK

Edit and submit sample job DSNTTJAC to perform an SMP/E ACCEPT CHECK for Rexx Language Support. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

**Expected Return Codes and Messages:** This job should complete with return code 4 or less. NOTE: If you are running a lower level of OS/390 Version 2 Release 7, your job will end with a return code of 4, issuing a GIM50050W warning message.

## 6.1.9 Perform SMP/E ACCEPT

Remove the CHECK operand from the sample job DSNTTJAC to perform an SMP/E ACCEPT for Rexx Language Support. Consult the instructions in the sample job for more information.

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

**Expected Return Codes and Messages:** This job should complete with return code 4 or less. NOTE: If you are running a lower level of OS/390 Version 2 Release 7, your job will end with a return code of 4, issuing a GIM50050W warning message.

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## 6.2 Activating Rexx Language Support

Rexx Language Support is fully operational once the SMP/E installation is complete and the execution of job DSNTIJRX is complete (to bind packages).

**Expected Return Codes and Messages:** This job should complete with return code 0.

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## Appendix A. Rexx Language Support Install Logic

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### A.1 SMP/E Modification Control Statements

The SMP/E Modification Control Statements (SMPMCS) for Rexx Language Support are contained in the SMPMCS file on the installation tape. The SMPMCS for each FMID in the product will be loaded to the SMPPTS dataset, with a member name matching the FMID, when the FMID is SMP/E RECEIVED. You may browse or print these members using TSO/E, ISPF, or IEBGENER (or IEBPTPCH).

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### A.2 SMP/E JCLIN

The JCLIN for Rexx Language Support is contained in the RELFILES on the installation tape. These files will be loaded to disk by SMP/E when the product is SMP/E RECEIVED. You may browse or print these files using TSO/E, ISPF, or IEBGENER (or IEBPTPCH).

The files containing JCLIN are:

FMID JDB551H: high-level-qualifier.JDB551H.F1(JDB551H)

**Note:** The high-level qualifier is the qualifier specified as the DSPREFIX in the SMP/E OPTIONS.

# Reader's Comments

## Program Directory for IBM Database 2 Server for OS/390 Rexx Language Support Version 5 Release 1, Modification Level 0

You may use this form to comment about this document, its organization, or subject matter with the understanding that IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

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	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Installation Verification Programs	1	2	3	4	5	N
Time to install the product	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
Ease of getting the system into production after installation	1	2	3	4	5	N

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IBM Corporation  
P.O. Box 49023  
San Jose, CA 95161-9023  
Attn: DB2 Test and System Services, W68/B373

FAX Number: (408) 463-2614

E-Mail: [jfigone@us.ibm.com](mailto:jfigone@us.ibm.com)





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