IBM System/36

Assembler Messages

When You Are:	You Can Find Information In:
Planning to Install Your Computer	What to Do Before Your Computer Arrives or Converting from System/34 to System/36
Getting Your Computer Ready to Use	Setting Up Your Computer Performing the First System Configuration For Your System System Security Guide
Operating Your Computer	Learning About Your Computer Operating Your Computer
Operating and Using the Utilities	Source Entry Utility Guide Data File Utility Guide Creating Displays Work Station Utility Guide Utilities Messages
Programming Your Computer	Concepts and Programmer's Guide System Reference Sort Guide Work Station Utility Guide Programming with Assembler **Assembler Messages**
Communicating with Another Computer or Remote Device	(communication manuals) (communication message manuals)
Determining the Cause of a Problem	System Messages **Assembler Messages** System Problem Determination

IBM System/36

Assembler Messages Manual

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This major revision obsoletes SC21-7942-3.

Changes are periodically made to the information herein; any such changes will be reported in subsequent revisions. Because the changes and additions are extensive, this publication should be reviewed in its entirety.

See *About this Manual* for a summary of major changes to this edition.

This edition applies to Release 4, Modification Level 0, of IBM System/36 Assembler and Macro Processor Program Product (Program 5727-AS1 and Program 5727-AS6), and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

About This Manual

This manual describes all assembler messages that are displayed and printed by the System/36. This manual is intended to help the display station operator, the system operator, or the programmer respond to a message, if possible, or to decide who to contact for further help.

What you should know . . .

IBM System/36 Learning About Your Computer, SC21-9018, which contains introductory material about the IBM System/36. You should read this manual first if you are not familiar with the System/36.

Users of the assembler and macro processor should have the following manuals available while coding programs, entering data, or clearing errors (debugging a program):

- *IBM System/36 Guide to Publications*, GC21-9015
- *IBM System/36 Programming with Assembler*, SC21-7908
- *IBM System/36 Utilities Messages*, SC21-7939
- *IBM System/36 System Problem Determination*, SC21-7919
- *IBM System/36 System Problem Determination*, SC21-9063

Other manuals you might expect to use are listed under *If you need more information . . .* in this section.

If you need more information . . .

You might need some or all of the following manuals before or while you are using this manual.

- *IBM System/36 Functions Reference Manual*, SA21-9436
- *IBM System/36 System Data Areas*, LY21-0592
- *IBM System/36 Program Problem Diagnosis and Diagnostic Aids*, LY21-0593

SSP-Related Manuals

- *System Reference*, SC21-9020, which contains a detailed description and examples of the procedure commands, the control commands, the operation control language (OCL) statements, and the procedure control expressions (PCE) that are used to operate the System/36.
- *IBM System/36 Operating Your Computer - 5360, 5362*, SC21-9026, or *IBM System/36 Operating Your Computer - 5364*, SC21-9085 describe how to operate your System/36.
- *IBM System/36 Concepts and Programmer's Guide*, SC21-9019, describes how the system functions. It also contains information about techniques to use when programming the System/36.

If You Do Not Understand a Term Used in This Manual

Many terms and concepts used in this manual are introduced in the manual *Learning About Your Computer*. If you are unfamiliar with the System/36, you should read that manual first. Other terms used in this manual are defined in the *Glossary* in the manual *Programming with Assembler*.

Chapter 1. Introduction

Format of Messages

Messages described in this guide are in one of the following formats:

- For displayed messages:

  Message identification code Message text (variable data)

  Severity Level Automatic Response

  Explanation

  Additional Information

  User Response

For printed messages:

  Message identification code Message text

  Severity Level Automatic Response

  Explanation

Message Identification Code

The message identification code is ASM followed by a dash and a 4-digit number. The 4-digit number that follows the ASM identifies where in this manual the message is described. The 4-digit numbers are arranged in ascending order. An example of a message identification code is ASM-2600.

Message Text

The message text shown on the display should match the message text in the messages guide. The only exceptions are when the message contains variable data fields.

Variable Data Fields

Variable data fields contain information that is unique in each situation for which a message is issued. Variable data fields contain such information as a work station ID, a file name, or whatever the variable data might be. In the messages guide, the name of the variable data is enclosed in brackets; for example, [file name].

Messages Ending with . . .

Some messages will end with three dots (...). This tells you that there is more information (second-level message text) that you can display by pressing the Enter/Rec Adv key. See the manual *Operating Your Computer* for an example of displaying this added message information. The added information does not appear word-for-word in the message guide. However, the message description in the guide is an expansion of the added information on the display.

Severity Level

For displayed messages, the severity level is used by the system to determine if a message should be responded to automatically. For more information, see the *System Reference* manual, SC21-9020.

System/36 provides the following five levels of severity:

Code	Meaning
1	Information messages. Option 0 is the only available response.
2	This refers to messages with a single response option, or messages with two response options, where one option is the retry option.
3	This refers to program error messages. These messages usually have more than one response option.
4	This refers to messages for severe errors, such as permanent input/output errors or hardware errors.
5	No automatic response value can be defined for these messages.

Note: Severity levels are not applicable to Assembler Error Messages.

Automatic Response

The automatic response is the recommended response for that particular message. For more information, see the *System Reference* manual, SC21-9020.

System/36 provides the following four levels of automatic response:

Code	Meaning
0	Ignore the situation and continue processing the job step.
1	Retry the situation and continue processing the job step.
2	The job step is ended, continue with the next step.
3	The job is cancelled.

Note: The options listed under User Response give message-specific information regarding these basic automatic response levels.

Explanation

The explanation gives the cause of the message and tells the operator what action to take to continue. If the operator cannot correct the problem or continue operations, this part will tell the operator who to contact for help.

Additional Information

The additional information part of the message gives more detailed information about the cause of the message and what action is necessary to correct the problem or to continue. It should be read by both the operator and the programmer.

User Response

The user response part of the message gives all available options for a message. However, all the options described below are not always available each time a particular message occurs, nor do all messages have options available. If a message does not have recovery options, this will be stated as part of the message description; any action required for the message will be included under *Explanation* or *Additional Information*.

In general, the following are examples of what will appear as an option in response to a message. However, be sure to read the description of the option for the particular message, since the descriptions are different for each message.

- *Option 0*: When you enter this option, the error condition usually is ignored and the job continues.
- *Option 1*: When you enter this option, the operation that caused the error usually is ignored and you can try the operation again.
- *Option 2*: This option usually ends the job step. Any data created up to this point is preserved and you can continue with the next job step.
- *Option 3*: When you select this option the job usually is canceled. Any data created or work done by a previous job step is preserved; however, any data created or work done by the current job step is lost.

- *Option D*: This option is available whenever an option 3 is shown on the display screen; however, option D is is never shown on the display and is not described in the message description. When you enter option D, the contents of main storage and control storage are copied onto the dump area on disk. The system actions described in option 3 occur. After a dump is taken, you should save the dump information by using the APAR procedure or the DUMP procedure. For more information about these procedures, see the *System Reference* manual.

- *Option H*: This option is available whenever option 3 is shown on the display screen and you are entering information from a Help prompt. When you enter option H, the Help display you made the error on is displayed again and the cursor is positioned at the field the error occurred in. You can then correct the error and continue your job.

Before Calling For Service

Sometimes errors occur and, even though you follow the recovery actions in the message description, the error is not corrected or keeps occurring for no apparent reason. Sometimes the error cannot be corrected by the operator or programmer, and the message tells you to notify your service representative.

If you do the following before you call for service, you will help the service representative determine what the problem is and correct it as quickly as possible.

- Refer to the Problem Determination section found in Chapter 6 of the *IBM System/36 Programming with Assembler Manual*, SC21-7908.

- Fill out *Problem Summary Form*. This is a form on which you can record information about the system conditions at the time the error occurred. Copies of the *Problem Summary Form* are available in the *System Problem Determination Guide*.

- If the system keyboard is operable, do the following:

  - Run the APAR or DUMP procedure to save a copy of the dump area for the service representative (if a dump was taken).
  - Press the Print key to print the information that was on the screen when the error occurred.
  - Run the HISTORY procedure to save a copy of the history file for the service representative.

For information about running the APAR, DUMP, and HISTORY procedures see the *System Reference* manual.

Chapter 2. Assembler Error Messages

The following messages are associated with the System/36 Assembler Program Product. They are divided into four groups, in ascending numerical order.

The first group of messages relates to errors in the macroinstruction statements of IBM-supplied macroinstructions. The second group of messages relates to errors displayed during the assembly of the program. The third group relates to errors in macroinstruction definitions. The fourth group relates to assembler language errors.

MACROINSTRUCTION STATEMENT MESSAGES

Any errors made in coding macroinstruction statements for IBM-supplied macroinstructions are detected by the macroinstructions. The message identification code and the displayed message are then printed on the assembly listing with a flag of M or W in the error field via an MNOTE statement when the source program is assembled.

ASM –2600 INVALID V PARM GIVEN. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than DC, EQU, or ALL was coded for V parameter of $TRB.

ASM –2601 INVALID TYPE PARM SPECIFIED. TYPE-DEC ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

Type-DEC is assumed as a parameter of $TOD or $SIT.

ASM –2602 INVALID ITYPE PARM SPECIFIED. ITYPE-REAL ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than REAL/WAIT was coded for the ITYPE parameter of $SIT.

ASM –2603 INVALID CANCEL PARM SPECIFIED. CANCEL-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y/N was coded for the CANCEL parameter of $RIT.

ASM –2604 INVALID WAIT PARAMETER SPECIFIED. WAIT-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y/N was coded for the WAIT parameter.

ASM –2605 UPDATE-Y AND DELETE-Y BOTH SPECIFIED. DELETE-Y ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

Only one of the UPDATE or DELETE parameters should be coded.

ASM –2609 OUTREC/RCAD PARAMETER NOT SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

The OUTREC parameter is required because of the type of disk access performed by the disk DTF. The RCAD parameter is always required for a printer DTF.

ASM –2610 NAME PARM NOT SPECIFIED. NAME-FILENAME ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The NAME parameter is required to find the corresponding FILE or PRINTER OCL statement (see $ALOC macro).

ASM –2611 INREC PARAMETER NOT SPECIFIED. HEX FFFF ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The INREC parameter is required for the type of file access used.

ASM –2612 ACCESS PARAMETER NOT SPECIFIED. ACCESS-GAM ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The ACCESS parameter is required to define the type of file access.

ASM –2614 UPDATE OR DELETE PARM SPECIFIED. NOT GET CAPABLE.

Severity: N/A Auto Response: N/A

Explanation:

UPDATE-Y or DELETE-Y was specified, but the file access does not include input.

ASM –2615 DMADDR PARAMETER NOT SPECIFIED. ZEROS ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The DMADDR parameter was needed but was not coded.

ASM –2617 RECL PARAMETER NOT SPECIFIED. RECL-32 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The RECL parameter is required to specify the record length.

ASM –2618 RECL PARAMETER GREATER THAN 4096. RECL-32 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The maximum record length parameter allowed is 4096.

ASM –2619 ORDER PARM OMITTED FOR ACCESS-GAM. ASSUME ORDER-KEY.

Severity: N/A Auto Response: N/A

Explanation:

ORDER-KEY was assumed for diagnostic purposes.

ASM –2620 IOBUF PARAMETER USED INVALIDLY. PARAMETER IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The IOBUF parameter was used incorrectly.

ASM –2621 KEY-OFFSET PARM NOT SPECIFIED. HEX FFFF ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The KEY-offset parameter is required when the file access includes random keyed operations.

ASM –2622 KEYL PARM NOT GIVEN FOR KEYED ACCESS. 1 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The KEYL parameter is required for keyed access.

ASM –2623 KDISP PARM NOT GIVEN FOR KEYED ACCESS. 0 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The KDISP parameter is required for keyed access.

ASM –2624 ARG PARAMETER SPECIFIED FOR KEYED ACCESS. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The ARG parameter is not permitted for keyed access.

ASM –2625 HIGH-OFFSET PARM NOT SPECIFIED. HEX FFFF ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The LIMIT-Y parameter requires a HIGH-offset parameter be specified.

ASM –2626 NO PROCESSING INTENTS SPECIFIED FOR ACCESS-GAM.

Severity: N/A Auto Response: N/A

Explanation:

ACCESS-GAM was specified, but the processing intents were specified as GSEQ-N, GRAN-N, UPDATE-N, DELETE-N, AEOD-N, and ARRN-N.

ASM –2627 KEYL INVALID FOR NON-KEYED ACCESS. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The KEYL parameter is required only when file access is by key.

ASM –2628 KDISP INVALID FOR NON-KEYED ACCESS. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The KDISP parameter is required only when file access is by key.

ASM –2629 CREATE PARM INVALID WITH ORDER PARM. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

CREATE-I was specified with ORDER-RECORD, or CREATE-S/D was specified with ORDER-KEY.

ASM –2630 GAM PARM SPECIFIED FOR NON-GAM ACCESS. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

A parameter was specified which is valid only with ACCESS-GAM.

ASM –2631 HIGH PARM INVALID FOR NON-KEYED ACCESS. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The HIGH-offset parameter is valid only when file access is by key.

ASM –2632 ORDLD PARM INVALID FOR ACCESS TYPE. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

ORDLD-N specified for ACCESS-ISA/ISUA, ORDLD-Y specified and not ACCESS-IO/IA/IRA/IRUA, or this is nonkeyed ACCESS-GAM and add-capable.

ASM –2633 LIMIT-Y INVALID FOR NON-KEYED ACCESS. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The limit parameter can only be specified for file access by key.

ASM –2634 LIMIT PARAMETER INVALID FOR ACCESS TYPE. IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The LIMIT parameter can only be specified for ACCESS-IS/ISU or for keyed ACCESS-GAM which is input capable.

ASM –2635 SIAM-Y REQUIRES IOBUF PARM. HEX FFFF ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

You must code the IOBUF parameter when SIAM-Y is used.

ASM –2636 GET AND PUT BOTH GIVEN. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

$INFO allows either a GET or PUT parameter, not both.

ASM –2637 LENGTH OR OFFSET INVALID. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than a decimal value from 1 to 512 was coded.

ASM –2638 FROM MISSING LEFT PAREN. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

$INV macroinstruction error. No left parenthesis found in FROM parameter.

ASM –2639 FROM PARM MISSING REG. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

The FROM parameter must contain either a symbolic address or a register displacement address of $INV.

ASM –2640 FROM PARM MISSING DISP. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

The FROM parameter of $INV must contain either a symbolic address or a register displacement address.

ASM –2641 TO MISSING LEFT PAREN. MACRO GENERATION STOPPED.

Severity: N/A Auto Response: N/A

Explanation:

$INV macroinstruction error in TO parameter.

ASM –2642 TO PARM MISSING REG. MACRO GENERATION STOPPED.

Severity: N/A Auto Response: N/A

Explanation:

The TO parameter of $INV must contain either a symbolic address or a register displacement address.

ASM –2643 TO PARM MISSING DISP. MACRO GENERATION STOPPED.

Severity: N/A Auto Response: N/A

Explanation:

The TO parameter of $INV must contain either a symbolic address or a register displacement address.

ASM –2644 PLIST-2 WITH LOAD PARM. MACRO GENERATION STOPPED.

Severity: N/A Auto Response: N/A

Explanation:

In $LOAD, if the PLIST parameter specifies register 2, the LOAD parameter must be 2 or blank.

ASM –2645 INVALID TYPE PARAMETER. MACRO GENERATION STOPPED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than LOAD/FETCH was specified as the TYPE parameter of $LOAD.

ASM –2646 FORMAT INVALID WITH TYPE GIVEN. FORMAT IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

Do not specify format if $LMSG TYPE-1R/ 2R/ 3 is specified.

ASM –2647 HALT INVALID WITH TYPE GIVEN. HALT IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

HALT indicates a data response is expected as TYPE-1R/2/2R. HALT is invalid as TYPE-1/3/4.

ASM –2648 TYPE GIVEN REQUIRES DRADD PARM. HEX FFFF ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires DRADD to specify the address of the reply area if a data response is indicated by TYPE-1R/2R/4.

ASM –2649 TYPE GIVEN REQUIRES MSGAD PARM. HEX FFFF ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires MSGAD to specify the address of the variable insert data buffer if output from a message member is indicated by TYPE-1/1R or the address of the message if the output is indicated by TYPE-2/2R/3.

ASM –2650 HALT-Y REQUIRES OPTN0, OPTN1, OPTN2 OR OPTN3.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires the selection of at least one of the OPTN0, OPTN OPTN2, or OPTN3 parameters if the HALT-Y parameter entry was made.

ASM –2651 INVALID DRLEN PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than 1, 8, 60, or 120 was coded.

ASM –2652 HIST-N, CRT-N BOTH GIVEN. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires messages to be either recorded to the history file or displayed to the operator.

ASM –2653 TYPE GIVEN REQUIRES DRLEN PARM. DRLEN-8 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires DRLEN to specify the length of the reply area if a data response is indicated by TYPE-1R/2R/4.

ASM –2654 TYPE GIVEN REQUIRES MSGLN PARM. MSGLN-75 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires MSGLN to specify the data length if output from a message member is indicated by TYPE-2/2R/3.

ASM –2655 TYPE PARAMETER NOT SPECIFIED. TYPE-1 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

No entry was made for a TYPE parameter. The default value will expect output from a message member, without data response (TYPE-1).

ASM –2656 INVALID TYPE PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than 1, 1R, 2, 2R, 3, or 4 was coded.

ASM –2657 TYPE GIVEN REQUIRES MIC PARM. HEX 0001 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG requires the MIC parameter within 0000 through 9999 if output from a message member is indicated by TYPE-1/1R/4.

ASM –2658 INVALID WRSTE PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2659 INVALID HALT PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2660 INVALID FORMAT PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2661 INVALID HIST PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2662 INVALID CRT PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2663 INVALID OPTN0 PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2664 INVALID OPTN1 PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2665 INVALID OPTN2 PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2666 INVALID OPTN3 PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2669 INVALID VARIN PARAMETER. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

Something other than Y (yes) or N (no) was coded.

ASM –2671 FORMAT-N, HALT-Y GIVEN. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG expects a response from the operator when HALT-Y is specified. The entry of FORMAT-N is not compatible with this.

ASM –2672 WRSTE PARAMETER NOT SPECIFIED. WRSTE-Y ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG will route the message to the display station by default.

ASM –2673 FORMAT PARAMETER NOT SPECIFIED. FORMAT-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG will not include the format line with message member output.

ASM –2674 HALT PARAMETER NOT SPECIFIED. HALT-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$LMSG will not permit the operator to enter an option number.

ASM –2676 OP PARM OMITTED. OP-NEXT ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The required $GETD macroinstruction has a parameter missing. The system supplies a value of NEXT.

ASM –2677 OP PARM OMITTED. OP-AEOD ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The required $PUTD macroinstruction has a parameter missing. The system supplies a value of AEOD.

ASM –2678 LOADER-Y INVALID WITH TYPE GIVEN. PARM IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

The LOADER-Y entry is ignored when a TYPE-R,S,P is specified.

ASM –2679 INVALID CODE PARAMETER. MACRO GENERATION STOPPED.

Severity: N/A Auto Response: N/A

Explanation:

$TRTB limits the CODE parameter to be specified as either E or blank for EBCDIC to ASCII or A for ASCII to EBCDIC.

ASM –2680 BLKL PARAMETER AND RECL PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

Block length must be equal to or greater than the record length.

ASM –2681 STATION IDS RECOMMENDED ON SWITCHED LINES.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB calls this error message. Station IDs (RCVID and SNDID) are recommended for security when using a switched point-to-point line.

ASM –2682 INVALID TRANSP PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires either a blank, N (no) or Y (yes) entry to the TRANSP parameter. Something other than Y (yes) or N (no) was entered.

ASM –2683 INVALID ITB PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires either a blank, N (no), or Y (yes) entry to the ITB parameter. Something other than Y (yes) or N (no) was entered.

ASM –2684 INVALID UPSI PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires either a blank, N (no), or Y (yes) entry to the UPSI parameter. Something other than Y (yes) or N (no) was entered.

ASM –2685 INVALID CODE PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires either a blank, E (for EBCDIC), or A (for ASCII) entry to the CODE parameter. Something other than E or A was entered.

ASM –2686 RCAD PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires a symbolic address to be specified for the RCAD parameter.

ASM –2687 ITB PARM, TRANSP PARM AND FTYP PARM CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

The $DTFB ITB parameter specifies intermediate block checking. The TRANSP parameter specifies that data is transmitted or received in transparent mode. The FTYP parameter specifies that either PUT or GET requests are to be performed. You can only specify ITB-Y and TRANSP-Y when you specify FTYP-RCV.

ASM –2688 TRANSP PARAMETER AND CODE PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

The $DTFB TRANSP parameter is valid only when the CODE parameter has an entry of E (EBCDIC).

ASM –2689 FTYP PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires that TSM (for PUT requests) or RCV (for GET requests) be specified for the FTYP parameter.

ASM –2690 INVALID TYPE PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the type of line connection be specified with an entry of PP, AA, MA, MC, or MP.

ASM –2691 INVALID BUFNO PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits an entry of only blank, 1, or 2 to the BUFNO parameter. Something other than 1 or 2 was entered.

ASM –2692 RECL PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the RECL parameter to specify the maximum record length of the file.

ASM –2693 TERMAD PARAMETER AND TYPE PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits a TERMAD parameter only when the TYPE parameter entry is MP (multi-point).

ASM –2694 INVALID TERMAD PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits only a hexadecimal representation of a 2-character polling or addressing sequence as an entry to the TERMAD parameter.

ASM –2695 TERMAD PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires a TERMAD parameter when the TYPE parameter entry is MP (multi-point).

ASM –2696 INVALID DLYCT PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires either a blank entry or a value within the range of 1 through 999.

ASM –2697 BLKL PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires a block length equal to or greater than the record length (RECL).

ASM –2698 RVIMSK PARAMETER AND RVIADR PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB uses the hexadecimal 2-digit reverse interrupt (RVI) mask specified by RVIMSK to set on bits in the 1-byte address field specified by RVIADR. The entries in these two parameters do not properly relate to one another.

ASM –2699 INVALID ERRCT PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits only a blank entry, or a value of 1 through 255.

ASM –2700 RCVID PARAMETER AND TYPE PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits the RCVID parameter only when switched communications lines have been specified with TYPE parameter entries of AA, MA, or MC.

ASM –2701 RCVCT PARAMETER AND TYPE PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits the RCVCT parameter only when switched communications lines have been specified with TYPE parameter entries of AA, MA, or MC.

ASM –2702 RCVCT PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the RCVCT parameter if the RCVID parameter was required.

ASM –2703 RCVID PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the RCVID parameter. RCVID in turn requires the RCVCT parameter.

ASM –2704 INVALID RCVCT PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the RCVCT parameter specify a length from 1 to 15.

ASM –2705 SNDID PARAMETER AND TYPE PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

This parameter is valid only with switched communications lines.

ASM –2706 SNDCT PARAMETER AND TYPE PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the SNDCT parameter. SNDCT in turn requires the parameter.

ASM –2707 SNDCT PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

ASM –2708 SNDID PARAMETER REQUIRED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires the SNDID parameter if a SNDCT parameter is entered.

ASM –2709 INVALID SNDCT PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB requires a length from 1 to 15 be specified.

ASM –2710 RECSEP PARAMETER AND ITB PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

Both intermediate record separators and intermediate block checks have been specified. $DTFB does not permit this.

ASM –2711 RECSEP PARAMETER AND TRANSP PARAMETER CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

Both intermediate record separators and transparancy have been specified. $DTFB does not permit this.

ASM –2712 INVALID RECSEP PARAMETER. RECSEP PARM IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB does not permit the entered RECSEP parameter.

ASM –2713 INVALID SKIP PARAMETER. SKIP-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$FNDP accepts only SKIP-N/USER/SYSTEM as valid entries.

ASM –2714 INVALID LOADER PARAMETER. LOADER-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$FNDP accepts only LOADER-Y/N as valid entries.

ASM –2715 LOADER-N GIVEN OR ASSUMED. LOAD PARAMETER IGNORED.

Severity: N/A Auto Response: N/A

Explanation:

$FNDP ignores the LOAD parameter when LOADER-Y is not specified.

ASM –2716 INVALID TYPE PARAMETER. TYPE-O ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$FNDP accepts only, TYPE-O/P/R/S as valid entries.

ASM –2717 INVALID OPC PARAMETER SPECIFIED. OPC-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$GETB permits only an OPC parameter of Y/N and $PUTB permits only N/EOB/EOF.

ASM –2730 IDDUCM parameter specified but DTF not extended

Severity: N/A Auto Response: N/A

Explanation:

The DTF must be extended before you are allowed to use the IDDUCM parameter. $DTFW must have the EXTEND parameter with Y (yes) specified.

ASM –2731 DICTCM parameter specified but DTF not extended

Severity: N/A Auto Response: N/A

Explanation:

The DTF must be extended before you are allowed to use the DICTCM parameter. $DTFW must have the EXTEND parameter with Y (yes) specified.

ASM –2768 V PARM NOT ALLOWED WHEN PLIST-INLINE SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

$SNAP uses the V parameter to specify whether the parameter list labels and/or DCs are generated. This is not compatible with generating the parameter list inline.

ASM –2769 LABEL PARAMETER MISSING. NO MACRO CODE GENERATED.

Severity: N/A Auto Response: N/A

Explanation:

$CKEQ requires a LABEL parameter entry when parameter one has an entry of V-DC or V-ALL specified.

ASM –2770 INVALID IMSG PARAMETER. IMSG-ALL ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$CKEQ requires an entry in the IMSG parameter.

ASM –2782 USERLB IGNORED WHEN SOURCE NOT SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

$SRT does not require a USERLIB parameter when the SOURCE parameter is not specified. The source statements are assumed to be within the assembled module. You should examine these parameters to determine if they are specified correctly.

ASM –2783 INPUT2 THROUGH INPUT8 MUST BE GIVEN SUCCESSIVELY.

Severity: N/A Auto Response: N/A

Explanation:

$SRT requires these parameters to be supplied in numeric sequence.

ASM –2784 INVALID ALTSEQ PARM SPECIFIED. ALTSEQ-N ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

$SRT accepts only a blank, N (no), or Y (yes) entry for the ALTSEQ parameter.

ASM –2785 INVALID KASRT PARAMETER GIVEN. KASRT-N ASSUMED.

Severity: N/A Auto Response: N/A

ASM –2786 INVALID RECFMT PARAMETER.

Severity: N/A Auto Response: N/A

Explanation:

$DTFB permits only F (fixed) and V (variable) to be coded as an entry.

ASM –2787 RECFMT AND ITB PARAMETERS CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

ITB-Y is not permitted when RECFMT-V is specified.

ASM –2788 RECFMT AND TRANSP PARAMETERS CONFLICT.

Severity: N/A Auto Response: N/A

Explanation:

TRANSP-Y is not permitted when RECFMT-V is specified.

ASM –2789 INVALID OPD PARAMETER - MUST BE YES (Y) OR NO (N)

Severity: N/A Auto Response: N/A

Explanation:

Some value other than Y (yes) or N (no) was given with the OPD parameter. Normal end of file processing by sending EOT requires the OPD parameter of N (no). ETX will be used as the file separator when the OPD parameter is Y (yes).

ASM –3500 REQUIRED STATEMENT LABEL MISSING.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3501 PARAMETER 1 MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3502 PARAMETER 2 MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3503 PARAMETER 3 MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3504 PARAMETER 4 MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3505 NO CASE KEYWORDS SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3506 EDIT PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3507 DELIMS PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3508 INCLDL PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a descriptiion of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3509 $DE STATEMENT ALREADY ISSUED.

Severity: N/A Auto Response: N/A

Explanation:

Only one $DE macroinstruction is allowed in a single program. For a description of $DE, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3510 EXCLUD PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3511 DLSEQ PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3512 ALTCLS PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3513 NUM PARAMETER MISSING OR INVALID OR DUPLICATE.

Severity: N/A Auto Response: N/A

Explanation:

The NUM parameter is missing, is invalid, or duplicates the NUM parameter on a previous $DF macroinstruction. The $DF macroinstruction is described in the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3514 MAXL PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the Magnetic Card Reader* manual.

ASM –3515 MINL PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3516 $DF STATEMENT MISPLACED.

Severity: N/A Auto Response: N/A

Explanation:

All $DF macroinstructions must presede the $DE macroinstruction. $DE and $DF are described in the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3517 MOD PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3518 REM PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3519 WF PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3520 SUM PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3521 TABLE PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3522 LEN PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3523 NUM PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3524 PAD PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3525 PREVIOUS TABLE NOT CLOSED.

Severity: N/A Auto Response: N/A

Explanation:

A previous table opened by a $DT macroinstruction was not closed by a $DTF LAST macroinstruction. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DT and $DTF macroinstructions.

ASM –3526 NO TABLE DEFINITION OPEN.

Severity: N/A Auto Response: N/A

Explanation:

A $DTD macroinstruction was issued to define table data, but no $DT macroinstruction was issued to define the table. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DT and $DTD.

ASM –3527 HEX STRING IS NOT EVEN LENGTH.

Severity: N/A Auto Response: N/A

Explanation:

Excluding the first X, a string of hex characters specified in a $DTD macroinstruction must contain an *even,* not an *odd,* number of characters. The *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3528 DATA PARAMETER TOO SHORT OR TOO LONG.

Severity: N/A Auto Response: N/A

Explanation:

Excluding the first C or X, a string of data characters specified in a $DTD macroinstruction must contain 1 to 32 characters. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DTD.

ASM –3529 PARAMETER 9 INCORRECTLY SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

If it is specified, the ninth (positional) parameter in a $DTD macroinstruction must be LAST. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DTD.

ASM –3530 ACTUAL TABLE LENGTH GREATER THAN SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

The actual length of data entered in a table by way of $DTD macroinstructions is greater than the length specified for the table in the LEN and NUM parameters of the $DT macroinstruction. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DT and $DTD macroinstructions.

ASM –3531 FIRST CHARACTER OF DATA PARAMETER IS NOT C OR X.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3532 TABLE PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3533 TYPE PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3534 ALEN PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3535 COMP PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3536 ELEN PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character reader* manual.

ASM –3537 NUM PARAMETER MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3538 POS PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3539 WORKAREA LENGTH EXCEEDED.

Severity: N/A Auto Response: N/A

Explanation:

The total length of the work area(s) defined by the $DW macroinstruction(s) exceeds 256 bytes. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DW macroinstruction.

ASM –3540 NO $STRT STATEMENT ISSUED.

Severity: N/A Auto Response: N/A

Explanation:

The program must begin with a $STRT macroinstruction. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $STRT macroinstruction.

ASM –3541 NO $DE STATEMENT ISSUED IN A MAIN PROGRAM.

Severity: N/A Auto Response: N/A

Explanation:

One $DE macroinstruction is required in each main program (TYPE-MAIN or $STRT). The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DE and $STRT macroinstructions.

ASM –3542 NO $DF STATEMENT ISSUED IN A MAIN PROGRAM.

Severity: N/A Auto Response: N/A

Explanation:

At least one $DF macroinstruction is required in each main program (TYPE-MAIN on $STRT). The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $DF and $STRT macroinstructions.

ASM –3543 PARAMETERS 2 AND 3 MISSING OR THE SAME.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3544 TYPE PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3545 LRSIZE MISSING OR INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3546 TTSIZE PARAMETER INVALID, 16 ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3547 $STRT STATEMENT ALREADY ISSUED.

Severity: N/A Auto Response: N/A

Explanation:

Only one $STRT macroinstruction is allowed in a single program. The *System/36 Using and Programming the 1255 Magnetic Character Reader* describes the $STRT macroinstruction.

ASM –3548 HOZCF AND/OR HOZCL PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3549 RESBUF PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –3550 BUFNUM PARAMETER INVALID.

Severity: N/A Auto Response: N/A

Explanation:

For a description of the required value, see the *System/36 Using and Programming the 1255 Magnetic Character Reader* manual.

ASM –4250 MISSING FIRST ADDRESS. NSI ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The next sequential instruction will be performed if the binary register value is negative.

ASM –4251 MISSING SECOND ADDRESS. NSI ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The next sequential instruction will be performed if the binary register value is zero.

ASM –4252 MISSING THIRD ADDRESS. NSI ASSUMED.

Severity: N/A Auto Response: N/A

Explanation:

The next sequential instruction will be performed if the binary register value is positive.

ASM —4253 SUBROUTINE ADDRESS NOT SPECIFIED.

Severity: N/A Auto Response: N/A

Explanation:

$CALL requires an address for the called subroutine.

ASM —4254 NUMBER OF SUBROUTINE PARAMETERS NOT NUMERIC.

Severity: N/A Auto Response: N/A

Explanation:

A numeric entry is required to specify the number of parameters.

ASM —4255 ADDRESS OR IMMEDIATE DATA MISSING.

Severity: N/A Auto Response: N/A

Explanation:

Either the address or immediate data required by the macroinstruction is missing.

ASM —4256 INVALID LSET MASK.

Severity: N/A Auto Response: N/A

Explanation:

$LSET requires valid data for the mask.

ASM —4257 INVALID INDEX SPECIFICATION.

Severity: N/A Auto Response: N/A

Explanation:

The value supplied as an index specification is not valid.

System/36 Displayed Messages

The following section describes the errors that are displayed during the assembly of an assembler program. Messages that end with three dots will display more information when you press the Enter key.

ASM —4300 Read or write error of an Assembler work file

Severity: 5 Auto Response:

Explanation:

This is a system error. Enter option 3 canceling the job. If the error continues to occur, notify the programmer responsible for maintaining this job.

Additional Information:

A disk I/O error has occurred while the system was reading from or writing to one of the Assembler work files ($SOURCE, $ASMINPT, $WORK, or $WORK2) or while the system was writing to the printer file ($PRINTDM). If the error continues to occur, notify your service representative.

User Response:

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

ASM —4302 $ASMINPT file is too small

Severity: 5 Auto Response:

Explanation:

This is a programming error. The $ASMINPT file space is too small. Enter option 3 to cancel the job. If the problem continues to occur, notify the programmer responsible for maintaining this job.

Additional Information:

Not enough space was allocated for the $ASMINPT file and the system was not able to successfully extend the file. The sixth parameter in the ASM procedure (number of blocks for $ASMINPT file) is too small (default is 45). This file is automatically extended in units of 30 blocks when it becomes full. You might need to run the COMPRESS procedure to free up any available disk space before you have enough space for the file. See the *System Reference* manual for the COMPRESS procedure.

User Response:

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

ASM —4325 $WORK file is too small

Severity: 5 Auto Response:

Explanation:

This is a programming error. The $WORK file space is too small. Enter option 3 to cancel the job. If the problem continues to occur, notify the programmer responsible for maintaining this job.

Additional Information:

Not enough space was allocated for the $WORK file, and the system was not able to successfully extend the file. The seventh parameter in the ASM procedure (size of $WORK file in blocks) is too small (default is 10). This file is automatically extended in units of 10 blocks when it becomes full. You might need to run the COMPRESS procedure to free up any available disk space before you have enough space for the file. See the *System Reference* manual for the COMPRESS procedure.

User Response:

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

ASM —4327 $WORK2 file is too small

Severity: 5 Auto Response:

Explanation:

This is a programming error. The $WORK2 file space is too small. Enter option 3 to cancel the job. If the problem continues to occur, notify the programmer responsible for maintaining this job.

Additional Information:

Not enough space was allocated for the $WORK2 file, and the system was not able to successfully extend the file. The eighth parameter in the ASM procedure (size of $WORK file in blocks) is too small (default is 36). This file is automatically extended in units of 25 blocks when it becomes full. You might need to run the COMPRESS procedure to free up any available disk space before you have enough space for the file. See the *System Reference* manual for the COMPRESS procedure.

User Response:

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

ASM —4328 OBJ requested--syntax errors present

Severity: 5 Auto Response:

Explanation:

There is an error in the assembler program. Enter option 0 only after you have contacted the programmer responsible for this job. Option 0 will place the object program in a library, possibly with errors. Enter option 3 to cancel the job. Notify the programmer responsible for maintaining this job.

Additional Information:

OBJ was specified in the assembler options, but one or more assembler syntax errors were diagnosed. See the compiled listing for an explanation of the errors. Correct the assembler errors in the program and reassemble the program.

User Response:

Option 0: The job continues. The object program will be placed in a library. However, the object code that is generated may be incorrect and the results may not be desirable. Before you enter option 0, you should contact the programmer responsible for maintaining this job.

Option 3: The job is canceled. Data created by a previous step is saved, but any data created by this step is lost.

ASM —4329 Source program is too large...

Severity: 5 Auto Response:

Explanation:

The source program contains more than 32,767 source statements, which is too large. Enter option 3 to cancel the job. Notify the programmer responsible for maintaining this job.

Additional Information:

The source program contains more than 32,767 source statements, which is the maximum number that can be processsed by the assembler. To correct this error do one of the following:

- Reduce the number of statements in the source program (including comment statements).
- Divide the source program into more than one source program.

User Response:

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

ASM —4331 Invalid message member

Severity: 5 Auto Response:

Explanation:

There is either an error in the assembler program product or the returned message is too long. Enter option 0 to continue, losing the last part of the message. Enter option 3 to cancel the job. If the error continues to occur, notify the programmer responsible for maintaining this job.

Additional Information:

If the error continues to occur, fill out a *Problem Summary Form*, and notify your programming support representative.

User Response:

Option 0: The job continues and the last part of the message is lost.

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

ASM —4333 Cross-reference file error...

Severity: 5 Auto Response:

Explanation:

This message was caused by a disk error while the system was processing cross-references. Enter option 0 to continue. Enter option 3 to cancel the job. If the error continues to occur, notify the programmer responsible for maintaining this job.

Additional Information:

A disk I/O error has occurred on the $WORK2 file while the system was processing cross-references. If the error continues to occur, fill out a *Problem Summary Form* and notify your hardware service representative.

User Response:

Option 0: The job continues. The cross-reference in error is ignored and will not appear in the printed listing.

Option 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

Note: If this error continues to occur, notify your hardware service representative.

ASM —4334 ASM procedure improperly evoked

Severity: 5 Auto Response:

Explanation:

This is an information message. The JOBQ command or EVOKE statement did not include the source program name. Submit the job again and include the source program name.

ASM —4335 MACRO Library incorrect or not found on disk

Severity: 5 Auto Response:

Explanation:

The library specified as the MACRO library in parameter #13 of the ASM procedure is invalid or does not exist on the disk. Check the library name for correctness.

User Response:

Options 3: The job is canceled. Data created by a previous step in this job is saved, but any data created by this step is lost.

Macro Processor Messages

Errors made in macroinstruction definitions are detected by the macro processor. The error number and message are then printed immediately after the macroinstruction on the assembler listing when the source program is assembled. An error condition diagnosed by the macro processor is reported on the printed source listing in the following format:

```
  *     Macroinstruction
E MIC#  Diagnostic Message
I       Image of last macro
        definition record
        read in
```

For example:

```
  *     $GETD
E 5428  Invalid AIF Record
I       AIF (&AB EQ '1' .A)
```

The image of the last macro definition record read in will not be printed when it is of no value in finding the problem.

ASM –5400 INVALID CONTINUATION ON MACRO CALL

Severity: N/A Auto Response: N/A

Explanation:

Positions 1 through 15 of a macro call statement contain a nonblank entry.

ASM –5401 INVALID OPERATION CODE

Severity: N/A Auto Response: N/A

Explanation:

The mnemonic operation code of the record being processed is not a valid System/36 assembler operation code.

ASM –5402 INVALID VARIABLE SYMBOL

Severity: N/A Auto Response: N/A

Explanation:

An invalid variable symbol was found. This error could be caused by an ampersand (&) in a comment.

ASM –5403 VARIABLE SYMBOL TABLE IS FULL

Severity: N/A Auto Response: N/A

Explanation:

The variable symbol table is full. Divide the job into smaller parts.

ASM –5404 VARIABLE SYMBOL IS UNDEFINED

Severity: N/A Auto Response: N/A

Explanation:

A reference was made to an undefined variable symbol.

ASM –5405 GLOBAL VARIABLE REFERENCE INVALID

Severity: N/A Auto Response: N/A

Explanation:

A set symbol identified on a global or local record is also identified on a prototype or TABLE record within the same macro definition.

ASM –5406 INVALID CHARACTER STRING

Severity: N/A Auto Response: N/A

Explanation:

An invalid value exists on the record being processed:

- Null value used when not permitted
- Value exceeds 50 bytes when decoded
- Value exceeds the limits of the record on which it appears

ASM –5407 SEQUENCE SYMBOL NOT FOUND

Severity: N/A Auto Response: N/A

Explanation:

A sequence symbol is missing or misspelled.

ASM –5408 MACRO DEFINITION NOT FOUND

Severity: N/A Auto Response: N/A

Explanation:

The macro definition was not found in the #ASMLIB, or the #LIBRARY, or the user-specified macro library.

ASM –5409 INCOMPATIBLE ATTRIBUTES ENCOUNTERED

Severity: N/A Auto Response: N/A

Explanation:

A set symbol identified on a global record was identified as a different type of set symbol within a previous macro definition statement.

The attribute of a set symbol referenced in the label field of a SETA, SETB, or SETC record does not match its assigned attribute.

ASM –5410 INVALID GLOBAL OR LOCAL RECORD

Severity: N/A Auto Response: N/A

Explanation:

A format error occurred in an operand of a GBLA, GBLB, GBLC, LCLA, LCLB, or LCLC record.

ASM –5411 HEADER STATEMENT IS INVALID (MACRO)

Severity: N/A Auto Response: N/A

Explanation:

Misplaced control records follow the text record within a macro definition.

ASM –5412 PROTOTYPE STATEMENT IS INVALID

Severity: N/A Auto Response: N/A

Explanation:

A prototype record has one of the following:

- Format error in an operand field
- Invalid entry in a label field
- Operation field name incorrect
- More than nine prototype continuations

ASM –5413 INVALID KEYWORD ON MACRO CALL

Severity: N/A Auto Response: N/A

Explanation:

An invalid keyword was found in a macroinstruction.

ASM –5414 INVALID INPUT DATA ON MACRO CALL

Severity: N/A Auto Response: N/A

Explanation:

An invalid response to a keyword parameter was found in a macroinstruction.

ASM –5415 INVALID DELIMITER ON PROTOTYPE

Severity: N/A Auto Response: N/A

Explanation:

No dash follows the keyword in a keyword parameter on a prototype statement.

ASM –5416 INVALID CONTINUATION ON MACRO CALL

Severity: N/A Auto Response: N/A

Explanation:

The format of a macroinstruction calls for a continuation record to follow but continuation is not indicated.

ASM –5417 TABLE RECORD WITHOUT TABDF RECORD

Severity: N/A Auto Response: N/A

Explanation:

A TABDF record does not follow a TABLE record.

ASM –5418 MEND STATEMENT OUT OF SEQUENCE

Severity: N/A Auto Response: N/A

Explanation:

A MEND record was found immediately following a TABLE record. This is incorrect.

ASM –5419 INVALID RECORD BEFORE TEXT RECORD

Severity: N/A Auto Response: N/A

Explanation:

An error was encountered in the placement of control records before the TEXT record within a macro definition or an invalid table record was encountered within a macro definition.

ASM –5420 INVALID TABLE DEFINITION RECORD

Severity: N/A Auto Response: N/A

Explanation:

A table-definition record is invalid because of one of the following:

- The value does not start in position 16

- The argument is not left-justified, starting in position 1
- The argument exceeds the limits defined for the record
- The mnemonic operation code (TABDF) is missing

ASM –5421 INVALID AGO RECORD

Severity: N/A Auto Response: N/A

Explanation:

An AGO record has an invalid sequence symbol.

ASM –5422 DEFINITION STATEMENTS OUT OF ORDER

Severity: N/A Auto Response: N/A

Explanation:

The macro definition records are not in the expected sequence.

ASM –5423 INVALID SEQ SYMBOL ON AGO STATEMENT

Severity: N/A Auto Response: N/A

Explanation:

The length of the sequence symbol is invalid.

ASM –5424 INVALID SETB RECORD

Severity: N/A Auto Response: N/A

Explanation:

An error exists in the format of a variable symbol required in the label field of a SETB record, or the operand is not 0 or 1.

ASM –5425 INVALID FORMAT ON MNOTE STATEMENT

Severity: N/A Auto Response: N/A

Explanation:

Invalid format on an MNOTE record.

ASM –5426 MODEL RECORD IS IN ERROR

Severity: N/A Auto Response: N/A

Explanation:

One of the fixed format fields of a model record has exceeded its defined limits. An entry in field 1 must begin in position 1 and is limited to positions 1 through 8. Field 2 is limited to positions 10 through 14, field 3 is limited to 16 through 38, and field 4 is limited to 40 through 71.

ASM –5427 MODEL RECORD FIELD BUFFER EXCEEDED

Severity: N/A Auto Response: N/A

Explanation:

A value used in the operand of an AIF record is more than 50 bytes long, or has an invalid format. (Only symbolic parameters, set symbols, character strings, count functions, and type attributes are valid for comparison.)

A model record is more than 71 bytes long.

ASM –5428 INVALID AIF RECORD

Severity: N/A Auto Response: N/A

Explanation:

An error has been detected in the format of an AIF record.

ASM –5429 INVALID USE OF COUNT FUNCTION

Severity: N/A Auto Response: N/A

Explanation:

The count function is being used with other than symbolic parameters.

ASM –5430 ERROR IN SETA STATEMENT SYNTAX

Severity: N/A Auto Response: N/A

Explanation:

There is an error in the format of a variable symbol required in the label field of a SETA record, or the operand is blank.

ASM –5431 ERROR IN SETC STATEMENT SYNTAX

Severity: N/A Auto Response: N/A

Explanation:

There is an error in the format of a variable symbol required in the label field of a SETC record, or the operand is not enclosed in quotes and delimited by a blank.

ASM –5432 DECIMAL NUMBER IS INVALID

Severity: N/A Auto Response: N/A

Explanation:

An arithmetic term exceeds the limits of -8,388,608 and +8,388,607.

The value of a symbolic parameter or a decimal self-defining term exceeds the maximum value of 65535.

ASM –5433 BINARY TERM INVALID

Severity: N/A Auto Response: N/A

Explanation:

A position in a binary self-defining term is other than 0 or 1.

ASM –5434 EXPRESSION TERM INVALID

Severity: N/A Auto Response: N/A

Explanation:

An invalid operand or operator is used in an arithmetic expression. Valid operands are variable symbols, count functions, and self-defining terms (binary, character, hexadecimal). Valid operators are addition (+), subtraction (-), multiplication (*), and division (/).

ASM –5435 CONSECUTIVE OPERATORS ENCOUNTERED

Severity: N/A Auto Response: N/A

Explanation:

Consecutive operators were detected within an arithmetic expression.

ASM –5436 EXPRESSION ENDS WITH AN OPERATOR

Severity: N/A Auto Response: N/A

Explanation:

An arithmetic expression was ended with an operator.

ASM –5437 INVALID HEX TERM

Severity: N/A Auto Response: N/A

Explanation:

A hexadecimal self-defining term contains an invalid hexadecimal digit.

ASM –5438 INVALID USE OF LEFT PARENTHESIS

Severity: N/A Auto Response: N/A

Explanation:

Left parenthesis was improperly placed or more than three levels of nested parentheses were placed within an arithmetic expression.

ASM –5439 NO OPERATOR FOR OPERAND

Severity: N/A Auto Response: N/A

Explanation:

Consecutive operands were detected within an arithmetic expression.

ASM –5440 CONSECUTIVE OPERANDS ENCOUNTERED

Severity: N/A Auto Response: N/A

ASM –5441 INVALID COMBINATION OF OPERATORS

Severity: N/A Auto Response: N/A

Explanation:

A parenthesis is not paired properly.

ASM –5442 INVALID RIGHT PARENTHESIS

Severity: N/A Auto Response: N/A

ASM –5443 NULL VALUE IN ARITHMETIC EXPRESSION

Severity: N/A Auto Response: N/A

Explanation:

A null value was placed in an arithmetic expression.

ASM –5444 CHARACTER EXPRESSION IS TOO LARGE

Severity: N/A Auto Response: N/A

Explanation:

There are more than the maximum number of bytes for a character expression.

ASM –5445 INVALID SUBSTRING TERM

Severity: N/A Auto Response: N/A

Explanation:

When evaluating a character expression, the value of either a term of a substring is negative or the substring term is 0.

ASM –5446 SUBSTRING SYNTAX ERROR

Severity: N/A Auto Response: N/A

Explanation:

Syntax error in use of substring character expression exceeds the limits of the input record.

ASM –5447 INVALID LABEL ON MACRO INSTRUCTION

Severity: N/A Auto Response: N/A

Explanation:

A macroinstruction label contains an invalid character.

ASM –5448 MNOTE MESSAGE NOT FOUND

Severity: N/A Auto Response: N/A

Explanation:

The specified MIC is not in the message member #AS#M1.

ASM –5449 MACRO IS A BAD MEMBER

Severity: N/A Auto Response: N/A

Explanation:

An error that stops job processing occurred while reading the macroinstruction definition. Replace the macro with a new copy.

ASM –5450 MISPLACED POSITIONAL PARAMETER

Severity: N/A Auto Response: N/A

Explanation:

All positional parameters must precede any keyword parameters.

ASM –5451 * ASM-5451 MACRO FOUND IN [macro library name]

Severity: N/A Auto Response: N/A

Explanation:

This is an informational message only. If a macro library was specified, ASM-5451 will print out after the commented invocation. It will tell you which library the macro was found in.

ASSEMBLY MESSAGES

After assembly is complete, a table of statement numbers, MIC codes (error numbers), and error messages is printed with the assembly listing. A flag of E is printed in the error field of each statement in error on the printed assembly listing.

ASM –5500 INVALID LABEL LENGTH

Severity: N/A Auto Response: N/A

Explanation:

The label field entry is greater than the maximum length allowed.

ASM –5501 INVALID CHARACTER IN LABEL

Severity: N/A Auto Response: N/A

Explanation:

The first position of a label field starts with a nonalphabetic character or contains an invalid character.

ASM –5502 LABEL NOT ALLOWED ON INSTRUCTION

Severity: N/A Auto Response: N/A

Explanation:

A label field entry was found in an instruction where one is not allowed.

ASM –5503 REFERENCE TO UNDEFINED SYMBOL

Severity: N/A Auto Response: N/A

Explanation:

The referenced symbol is not defined in this program.

ASM –5504 LABEL REQUIRED ON THIS INSTRUCTION

Severity: N/A Auto Response: N/A

Explanation:

An EQU instruction does not have the required label field entry.

ASM –5505 PREVIOUSLY DEFINED SYMBOL

Severity: N/A Auto Response: N/A

Explanation:

This symbol was previously defined in this program.

ASM –5506 MODULE NAME MISSING

Severity: N/A Auto Response: N/A

Explanation:

Either the START instruction is missing, or the START instruction is present but the label field entry (module name) is missing. The assembler program assigns the default module name ASMOBJ.

ASM –5508 INVALID OPERATION CODE

Severity: N/A Auto Response: N/A

Explanation:

Undefined operation field entry.

ASM –5509 INVALID ORIGIN

Severity: N/A Auto Response: N/A

Explanation:

An attempt was made to use the ORG instruction to reduce the value of the location counter to a value less than its initial value.

ASM –5510 INVALID OR ILLEGAL ICTL

Severity: N/A Auto Response: N/A

Explanation:

There is an operand error in an ICTL instruction, or the ICTL instruction is not the first program statement. (The ICTL is treated as the last source statement in the program.)

ASM –5511 INVALID START INSTRUCTION

Severity: N/A Auto Response: N/A

Explanation:

The START instruction was encountered after the location counter was initialized.

ASM –5512 LOCATION COUNTER ERROR

Severity: N/A Auto Response: N/A

Explanation:

There is a location counter overflow (its value is greater than 65,535) or an attempt was made to reference the location counter at 65,536.

ASM –5513 MISSING END STATEMENT

Severity: N/A Auto Response: N/A

Explanation:

The END statement is missing from the program.

ASM –5514 INVALID MODE STATEMENT

Severity: N/A Auto Response: N/A

Explanation:

There is more than one MODE statement in the program.

ASM –5516 INVALID OPERAND DELIMITER

Severity: N/A Auto Response: N/A

Explanation:

An operand field syntactical delimiter is either misplaced or missing.

ASM –5517 INVALID OPERAND FORMAT

Severity: N/A Auto Response: N/A

Explanation:

The operand field format is not correct for this instruction.

ASM –5518 MISSING OPERAND

Severity: N/A Auto Response: N/A

Explanation:

An operand field entry is missing from an instruction.

ASM –5519 INVALID SYNTAX IN EXPRESSION

Severity: N/A Auto Response: N/A

Explanation:

There has been a violation of one or more of the expression syntax rules.

ASM –5520 EXPRESSION VALUE TOO LARGE

Severity: N/A Auto Response: N/A

Explanation:

The final expression value is not in the range -2^{16} to 2^{16} -1

ASM –5521 INVALID OPERAND

Severity: N/A Auto Response: N/A

Explanation:

One or more operand entries do not meet the specifications for this instruction.

ASM –5522 ARITHMETIC OVERFLOW

Severity: N/A Auto Response: N/A

Explanation:

An intermediate expression value is not in the range -2^{24} to 2^{24} -1

ASM –5523 ADDRESSABILITY ERROR

Severity: N/A Auto Response: N/A

Explanation:

A relocatable displacement is outside the range of the USING instruction.

ASM –5524 REGISTER SPECIFICATION ERROR

Severity: N/A Auto Response: N/A

Explanation:

The index register specification is not 1 or 2.

ASM –5525 INVALID CONSTANT

Severity: N/A Auto Response: N/A

Explanation:

There is an error in a constant specification on a DC instruction.

ASM –5526 INVALID CONSTANT TYPE

Severity: N/A Auto Response: N/A

Explanation:

The data type specified in a DC or DS is not valid.

ASM –5527 INVALID DUPLICATION FACTOR

Severity: N/A Auto Response: N/A

Explanation:

There is an error in the duplication factor specification on a DC or DS.

ASM –5528 INVALID LENGTH SPECIFICATION

Severity: N/A Auto Response: N/A

Explanation:

There is an error in the length specification.

ASM –5529 INVALID STATEMENT DELIMITER

Severity: N/A Auto Response: N/A

Explanation:

The column following the statement field is not blank.

ASM –5530 RELOCATABLE MULTIPLICATION

Severity: N/A Auto Response: N/A

Explanation:

A relocatable term was used in a multiply operation.

ASM –5531 RELOCATABILITY ERROR

Severity: N/A Auto Response: N/A

Explanation:

A relocatable expression is used where an absolute expression is required, or an absolute expression is used where a relocatable expression is required.

ASM –5532 INVALID SYMBOL

Severity: N/A Auto Response: N/A

Explanation:

There is an invalid character or invalid symbol length in the operand field.

ASM –5533 INVALID SELF-DEFINING TERM

Severity: N/A Auto Response: N/A

Explanation:

There is an error in the format of a self-defining term.

ASM –5534 SELF-DEFINING VALUE TOO LARGE

Severity: N/A Auto Response: N/A

Explanation:

The value of a self-defining term is outside the range of -2^{16} to $2^{16}-1$

ASM –5535 INVALID IMMEDIATE FIELD

Severity: N/A Auto Response: N/A

Explanation:

The value of the immediate field is not in the range of hex 00 to hex FF.

ASM –5536 INVALID DISPLACEMENT

Severity: N/A Auto Response: N/A

Explanation:

The value of the absolute displacement is not in the range of 0 through 255.

ASM –5537 INVALID EXTRN

Severity: N/A Auto Response: N/A

Explanation:

The symbol is invalid or already defined in the program, or the subfield is invalid.

ASM –5538 TOO MANY ESL RECORDS

Severity: N/A Auto Response: N/A

Explanation:

More EXTRN and ENTRY statements were found in the program than are permitted. This count includes multiple EXTRNs and ENTRYs, ENTRYs with valid symbols which are not defined, and EXTRNs with valid symbols which are defined in the program. The region size determines the number of statements allowed, as shown in the following table:

Region Size (bytes)	EXTRN/ENTRYs Allowed
14K to 18K	84
20K	124
22K to 26K	169
28K to 34K	209
36K and up	254

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