

Remedy: Disable the manual brake control.

3.12.5 MEMO Alarm Code

3.12.5.1 MEMO-002 Specified program is in use

Cause: The specified program is being edited or executing.

Remedy: Abort the specified program. Or select it again after selecting another program.

3.12.5.2 MEMO-003 Specified program is in use

Cause: The specified program is being edit or executing.

Remedy: Abort the specified program. Or select it once more after selecting another program.

3.12.5.3 MEMO-004 Specified program is in use

Cause: The specified program is being edited or executing.

Remedy: Abort the specified program. Or select it once more after selecting another program.

3.12.5.4 MEMO-006 Protection error occurred

Cause: The specified program is protected by user.

Remedy: Cancel the protection of the specified program.

3.12.5.5 MEMO-007 Invalid break number

Cause: The specified break number does not exist.

Remedy: Specify the correct break number.

3.12.5.6 MEMO-008 Specified line no. not exist

Cause: The specified line number does not exist in the specified or default program.

Remedy: Specify a correct line number.

3.12.5.7 MEMO-010 Program name error

Cause: The specified program name is different from that of the P-code file.

Remedy: Specify the same program name.

3.12.5.8 MEMO-013 Program type is different

Cause: The specified program type is different from that of the object being processed.

Remedy: Specify the same program type.

3.12.5.9 MEMO-014 Specified label already exists

Cause: The specified label id already exists in the program.

Remedy: Specify another label number.

3.12.5.10 MEMO-015 Program already exists

Cause: The specified program already exists in the system.

Remedy: Specify another program name. Or delete the registered program.

3.12.5.11 MEMO-019 Too many programs

Cause: The number of the programs and routines exceeded the maximum possible number (3200).

Remedy: Delete unnecessary programs or routines.

3.12.5.12 MEMO-025 Label does not exist

Cause: Specified label does not exist.

Remedy: Set the index to an existing label.

3.12.5.13 MEMO-026 Line data is full

Cause: The number of line data exceeded the maximum possible line number (65535).

Remedy: Delete unnecessary line data.

3.12.5.14 MEMO-027 Specified line does not exist

Cause: The specified line data does not exist.

Remedy: Specify another line number.

3.12.5.15 MEMO-029 The line data can't be changed

Cause: The specified line data can't be changed. The size of modified data is different from that of original data when replacing it.

Remedy: Specify another line number or the data of same size.

3.12.5.16 MEMO-032 Specified program is in use

Cause: The specified program is being edited or executing.

Remedy: Abort the specified program. Or select it once more after selecting another program.

3.12.5.17 MEMO-034 The item can't be changed

Cause: The specified item is locked to change by system.

Remedy: Specify another item.

3.12.5.18 MEMO-038 Too many programs

Cause: The number of the programs exceeded the maximum number.

Remedy: Delete unnecessary programs.

3.12.5.19 MEMO-048 Break point data doesn't exist

Cause: The specified break point data does not exist.

Remedy: Specify another break point.

3.12.5.20 MEMO-050 Program does not exist

Cause: The specified program does not exist in the system.

Remedy: Specify another program or create the same program first.

3.12.5.21 MEMO-056 Program does not exist

Cause: The specified program does not exist in the system.

Remedy: Specify another program or create the same program first.

3.12.5.22 MEMO-061 No write access

Cause: The program must be opened with write access before attempting write operations

Remedy: Open the program with write access before writing.

3.12.5.23 MEMO-065 Too many opened programs

Cause: Too many CALL instructions is used. The number of opened programs exceeded the maximum possible number(100).

Remedy: Abort the unnecessary programs. Or, remove unnecessary CALL instructions.

3.12.5.24 MEMO-068 Specified program is in use

Cause: 1. The specified program is editing or executing. 2. The specified program is entried to MACRO

Remedy: 1. Abort the specified program. Or select it once more after select another program. 2. Remove the program form the MACRO entry.

3.12.5.25 MEMO-071 Position does not exist

Cause: The specified position data does not exist.

Remedy: Specify another position.

3.12.5.26 MEMO-072 Position data already exists

Cause: Position data already exists in the specified position you want to move.

Remedy: Specify another position. Or, delete the data in the specified position.

3.12.5.27 MEMO-073 Program does not exist

Cause: The specified program does not exist in the system.

Remedy: Specify another program or create the same program first.

3.12.5.28 MEMO-074 Program type is not TPE

Cause: The operation can be apply only to TPE programs.

Remedy: Select a TPE program.

3.12.5.29 MEMO-075 Program can't be used

Cause: The program must be opened before attempting read or write operations.

Remedy: Open the program before reading or writing.

3.12.5.30 MEMO-078 Program can't be used

Cause: The specified operation is not supported for this program type.

Remedy: Specify a program whose program type matches the operation.

3.12.5.31 MEMO-080 Protection error occurred

Cause: The specified program is protected by user.

Remedy: Cancel the protection of the specified program.

3.12.5.32 MEMO-081 Specified program is in use

Cause: The specified program is editing or executing.

Remedy: Abort the specified program. Or select it once more after select another program.

3.12.5.33 MEMO-088 Program does not exist

Cause: The specified position data does not exist.

Remedy: Specify another position.

3.12.5.34 MEMO-093 Specified program is in use

Cause: The specified program is editing or executing.

Remedy: Abort the specified program. Or select it once more after select another program.

3.12.5.35 MEMO-094 Parameters are different

Cause: A routine exists in memory with a different parameter definition than the routine in the PC file being loaded.

Remedy: Update the calling convention in the KAREL program being loaded or delete the obsolete routine from system memory.

3.12.5.36 MEMO-098 EOF occurs in file access

Cause: EOF occurs in file access. When P-code file was scanned, EOF occurs.

Remedy: The P-code data may be broken. Translate the specified KAREL program again. Then reload the P-code.

3.12.5.37 MEMO-099 Program name is wrong

Cause: The program name length is different from that of the P-code data.

Remedy: Check the program name of the specified program.

3.12.5.38 MEMO-103 Check sum error occurred

Cause: The specified data was broken. This is the internal error.

Remedy: Perform a cold start: 1. Turn off the robot. 2. On the teach pendant, press and hold the SHIFT and RESET keys. 3. While still pressing the SHIFT and RESET keys, turn on the robot. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.5.39 MEMO-104 Program already exists

Cause: The specified program already exists in the system.

Remedy: Specify another program name. Or delete the registered program.

3.12.5.40 MEMO-112 Break data already exists

Cause: The specified break point data already exists in the program.

Remedy: Specify another break point.

3.12.5.41 MEMO-113 File access error

Cause: The port that has the program you want to load is not connected.

Remedy: Check the port setting and the connected device.

3.12.5.42 MEMO-114 Break point can't be removed

Cause: The break point data can not be overwritten. The program is protected by user or executing.

Remedy: Cancel the protection of the program. Or, abort the program.

3.12.5.43 MEMO-115 Break point can't be removed

Cause: The break point data can not be removed. The program is protected by user or executing.

Remedy: Cancel the protection of the program. Or, abort the program.

3.12.5.44 MEMO-119 Application data doesn't exist

Cause: The specified application data does not exist because the program does not correspond to the specified application.

Remedy: Specify another application data. Then create the program in the current system.

3.12.5.45 MEMO-120 Application data doesn't exist

Cause: The specified application data does not exist because the program does not correspond to the specified application.

Remedy: Specify another application data. Create the program in the current system again.

3.12.5.46 MEMO-123 Application data doesn't exist

Cause: The specified application data does not exist because the program does not correspond to the specified application.

Remedy: Specify another application data. Create the program in the current system again.

3.12.5.47 MEMO-124 Program version is too new

Cause: KAREL program version number is newer than that of the system.

Remedy: Translate the program with an older version of the Translator.

3.12.5.48 MEMO-125 Program version is too old

Cause: KAREL program version number is older than that of the system.

Remedy: Translate the program with a newer version of the Translator.

3.12.5.49 MEMO-126 No more available memory

Cause: Lack of the memory which can be used.

Remedy: Delete unnecessary programs.

3.12.5.50 MEMO-127 Pos reference over 255 times

Cause: Reference of the same position exceeded the maximum count (256).

Remedy: Set new position ID for the referenced position.

3.12.5.51 MEMO-128 %s parameters are different

Cause: A routine exists in memory with a different parameter definition than the routine in the PC file being loaded.

Remedy: Update the calling convention in the KAREL program being loaded or delete the obsolete routine from system memory.

3.12.5.52 MEMO-130 Please power up again

Cause: The data of the system been broken.

Remedy: Please power up again.

3.12.5.53 MEMO-131 Please power up again

Cause: System data in CMOS has been broken..

Remedy: Turn power off and then back on.

3.12.5.54 MEMO-132 %s has been broken

Cause: Program data has been broken at the power fail recover.

Remedy: Delete the program and create it again. Press the RESET key to clear the error. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.5.55 MEMO-133 Please power up again

Cause: System data in CMOS has been broken..

Remedy: Turn power off and then back on.

3.12.5.56 MEMO-134 TPE program %s already exists

Cause: The TPE program which has the same name already exists.

Remedy: Delete the teach pendant (TP) program. Then load the specified KAREL program again.

3.12.5.57 MEMO-135 Cannot create TPE program here

Cause: The TPE program cannot be created in this start mode.

Remedy: Select the function menu to change the start mode.

3.12.5.58 MEMO-136 Cannot load P-code here

Cause: The KAREL program cannot be loaded in this start mode.

Remedy: Select the function menu to change the start mode.

3.12.5.59 MEMO-137 Load at Control Start Only

Cause: Specified KAREL program cannot be loaded in this mode. Because the same name program has already been loaded at controlled start.

Remedy: Load the program at controlled start.

3.12.5.60 MEMO-138 Delete at Control Start Only

Cause: Specified program has already been loaded at controlled start. Because of this, you can only delete the program at controlled start.

Remedy: Delete the program at controlled start.

3.12.5.61 MEMO-144 Header size too big

Cause: The TPE header size specified is too big. Must be less than 256.

Remedy: Change size to range of 1-256. If necessary, use multiple header records.

3.12.5.62 MEMO-145 TPE cannot have KAREL routine

Cause: The routine of the specified program has been already referred by the KAREL program. Because of this, the specified program must be the KAREL program. The user cannot use the specified program name as a TPE program.

Remedy: Change the program name, or delete the KAREL program which refers the routine of the specified program.

3.12.5.63 MEMO-146 Invalid variable is used

Cause: Invalid variable is used in the specified KAREL program.

Remedy: Check the variable used in the specified KAREL program.

3.12.5.64 MEMO-147 Flash File access error(write)

Cause: The write access to the Flash File(F-ROM) failed. Some program may be lost.

Remedy: The Flash File(F-ROM) may be broken. Create or load the lost program again.

3.12.5.65 MEMO-148 Flash File access error(read)

Cause: The read access to the Flash File(F-ROM) failed. Some program may be lost.

Remedy: The Flash File(F-ROM) may be broken. Create or load the lost program again.

3.12.5.66 MEMO-149 Specified program is broken

Cause: Program data has been broken.

Remedy: Please power off and on. Then check the program data of the specified program.

3.12.5.67 MEMO-151 No more available memory(TEMP)

Cause: Lack of the temporary memory which can be used for the program.

Remedy: Delete unnecessary programs. Or, change the D-RAM module to the bigger one.

3.12.5.68 MEMO-152 Program %s is in use

Cause: The specified program is being edited or is executing.

Remedy: Perform one of the following:

- Abort the specified program or disable the teach pendant and press F3, CONTINUE
- Press F4, SKIP to skip over this file.

3.12.5.69 MEMO-153 %s is not deleted

Cause: The unused program can not be deleted.

Remedy: Cycle power and try the operation again.

3.12.5.70 MEMO-154 Parent program still exists

Cause: When the parent program exists, the daughter program cannot be deleted.

Remedy: Delete the parent program before deleting the daughter program.

3.12.5.71 MEMO-155 Too many positions

Cause: The total number of positions exceeds the maximum number(32766).

Remedy: Delete the unused positions.

3.12.5.72 MEMO-156 Renumber program failed

Cause: The renumber operation failed.

Remedy: Cycle power and try the operation again.

3.12.5.73 MEMO-157 Cannot execute this program

Cause: The specified program is broken.

Remedy: Delete the program and create it again. Press RESET to clear the error. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.5.74 MEMO-158 Type converted in %s

Cause: When loading the specified KAREL program the variable type definition required conversion. The program was loaded and converted as needed.

Remedy: If conversion was expected, then no action is required. If conversion was not expected, then maybe the loaded program was not the version of the program that was needed. Check for other versions of this program and load them as needed.

3.12.5.75 MEMO-159 Convert failed in %s

Cause: When loading the specified KAREL program the variable type definition required conversion. The variable reference could not be converted. Therefore, the program was not loaded as needed.

Remedy: See the diagnostic data file, FR:KRLCONV.LS, for more information about the specific variable and program involved. Translate this program using a version of the translator that matches the version of the controller. Then try to load the program again.

3.12.5.76 MEMO-160 Save failed for %s

Cause: When loading a KAREL program or dictionary, a backup copy could not be made to the specified file. The program or dictionary was loaded into memory.

Remedy: Check that there is space available on the specified device. If not, remove some unneeded files. Check the cause message for this alarm. It will provide the specific reason that the copy could not complete.

3.12.5.77 MEMO-161 Converting KAREL program %s to version %s

Cause: When loading the specified KAREL program the variable type definition required conversion to the specified version.

Remedy: If conversion was expected then no action is required. If conversion was not expected, then maybe the loaded program was not the version of the program that was needed. Check for other versions of this program and load them as needed.

3.12.5.78 MEMO-162 Line: %d Local variable mismatch not handled

Cause: The type definition for a local variable in a KAREL routine already exists but is of a different type than what you are attempting to load.

Remedy: Translate this program using a version of the translator that matches the version of the controller. Then try to load the program again.

3.12.5.79 MEMO-163 Line: %d Field mismatch not handled

Cause: The type definition for a field in a structure already exists but is of a different type than what you are attempting to load.

Remedy: Translate this program using a version of the translator that matches the version of the controller. Then try to load the program again.

3.12.5.80 MEMO-164 Line: %d Structure mismatch not handled

Cause: The type definition for a structure in a KAREL program already exists but is of a different type than what you are attempting to load.

Remedy: Translate this program using a version of the translator that matches the version of the controller. Then try to load the program again.

3.12.5.81 MEMO-165 Line: %d First field is different

Cause: The type definition for a structure in a KAREL program already exists but the first field is different than what you are attempting to load.

Remedy: Translate this program using a version of the translator that matches the version of the controller. Then try to load the program again.

3.12.5.82 MEMO-166 Path conversion failed

Cause: The type definition for a PATH in a KAREL program already exists but is of a different type than what you are attempting to load.

Remedy: Translate this program using a version of the translator that matches the version of the controller. Then try to load the program again.

3.12.5.83 MEMO-167 Restore failed for %s

Cause: Restore of a program failed. See error cause code for details.

Remedy: Consult cause code for more information.

3.12.5.84 MEMO-168 Backup failed for %s

Cause: A file backup was attempted uses the PROG_BACKUP() builtin. This specific program failed to backup because of the reason specified in the cause code.

Remedy: Refer to the remedy on the cause code.

3.12.5.85 MEMO-169 Clear failed for %s

Cause: The program that you attempted to clear with the PROG_CLEAR builtin failed.

Remedy: Refer to the remedy on the cause code. Typically the cause of the error is that the program is selected. In this case, unselect the program via the SELECT_TPE builtin before executing the PROG_CLEAR builtin.

3.12.5.86 MEMO-170 Program name too long

Cause: The program name must be shorter than eight characters when long program names are not enabled or configured.

Remedy: Load the longname option by setting \$LONGNAM_ENB=TRUE.

3.12.5.87 MEMO-171 FILE program cannot be modified

Cause: FILE programs are write protected unless they are in the editor. So you cannot modify attributes and other program data for this type of program storage

Remedy: Move the program to another storage type temporarily or permanently. CMOS, SHADOW and SHADOW ONEMAND all support this type of modification.

3.12.5.88 MEMO-172 Extended storage feature not loaded

Cause: The operation requires extended storage option to be loaded.

Remedy: Load extended storage option or choose another operation

3.12.5.89 MEMO-173 No more program name space

Cause: No more program space is available

Remedy: Remove unnecessary programs. If you have less than 7500 programs document the events that led to the error, and contact your FANUC America Corporation technical representative.

3.12.5.90 MEMO-174 FILE path does not exist

Cause: The FROM path is not configured or points to a directory which does not exist

Remedy: Fix the File path specification from the SELECT Config... screen.

3.12.5.91 MEMO-175 Cannot convert program data

Cause: An error has occurred converting a program from DRAM or FILE to executable TPP code

Remedy: Your TPP program may be invalid. If the problem persists please document the events that led to the error, and contact your FANUC America Corporation technical representative.

3.12.5.92 MEMO-176 FILE program file missing

Cause: A TP file in the file directory has been deleted or the resource containing TP FILE programs is unavailable