

3.12.1.11 MACR-012 Number of DI+RI is over

Cause: The number of RI+DI is over the maximum number. You can assign RI and DI to macro assign type, but the total number of assignments possible is restricted by the system variable \$MACROMAXDRI. \$MACROMAXDRI must be set to 5 and never be changed. When the total number of assignments is over \$MACROMAXDRI, this alarm occurs.

Remedy: First deassign the other RI or DI assignments. Then assign the new macro as RI or DI.

3.12.1.12 MACR-013 MACRO execution failed

Cause: Cannot execute this MACRO.

Remedy: Refer to the error cause code. Use to display the Alarm Log screen.

3.12.1.13 MACR-016 The macro is not completed

Cause: The macro aborted while executing.

Remedy: The macro will begin executing from the first line at the next execution.

3.12.2 MARL Alarm Code**3.12.2.1 MARL-000 Data modification disallowed**

Cause: User tried to change data that was in use by robot

Remedy: This is a warning message. In order to change data, in this case, you must first ABORT ALL

3.12.2.2 MARL-001 Data in use by Robot

Cause: User tried to change data that was in use by robot

Remedy: This is a warning message. In order to change data, in this case, you must first ABORT ALL

3.12.2.3 MARL-002 GET_VAR failed %s

Cause: KAREL GET_VAR built-in did not return a successful status

Remedy: Check if the variable exists or is initialized. If the variable does not exist or is uninitialized, try to figure out why. Call FANUC America Corporation for assistance with the number posted with the error.

3.12.2.4 MARL-003 SET_VAR failed %s

Cause: KAREL SET_VAR built-in did not return a successful status

Remedy: Check if the variable exists or is initialized. If the variable does not exist or is uninitialized, try to figure out why. Call FANUC America Corporation for assistance with the number posted with the error.

3.12.2.5 MARL-004 Could not save .VR file %s

Cause: Error occurred while saving a .VR file

Remedy: Check if the disk drive is connected or if there is a problem with the cable. Check if the floppy disk is formatted and if it is a double density diskette. Check if the diskette is full.

3.12.2.6 MARL-005 Could not load file %s

Cause: Error occurred while loading a .VR file

Remedy: Check if the disk drive is connected or if there is a problem with the cable. Check if the floppy disk is formatted and if it is a double density diskette. Check if the diskette is full.

3.12.2.7 MARL-006 Could not create file %s

Cause: Error occurred while creating the file MRDTxxx.vr

Remedy: Check RAM memory from the STATUS Memory menu. Perhaps there isn't enough memory to create the data file. If the memory looks ok, contact FANUC America Corporation with the number associated with the message.

3.12.2.8 MARL-007 Error creating new variables

Cause: Error occurred while creating a variable

Remedy: This message is an informational message and is always posted with another message.

3.12.2.9 MARL-008 Error reading data %s

Cause: Error occurred while reading the data which the user entered.

Remedy: This is a warning message. Try again. If you keep getting this message contact FANUC America Corporation with the number in the error string.

3.12.2.10 MARL-009 Cannot use MODIFY

Cause: User is trying to modify a file which does not exist in the controller RAM.

Remedy: This is a warning message. Either create a new file or if you forgot, the load the file first.

3.12.2.11 MARL-010 File not loaded or created: %s

Cause: File does not exist in the controller RAM.

Remedy: This is a warning message.

3.12.2.12 MARL-011 Cannot resume program

Cause: Either operator panel E-STOP, teach pendant E-STOP is ON or teach pendant is enabled.

Remedy: This is a warning message and is posted with another message which will tell you exactly why the program cannot be resumed.

3.12.2.13 MARL-012 Operator Panel E-stop ON

Cause: Program cannot run with operator panel E-STOP

Remedy: Release Operator panel E-stop, press reset and push cycle start to continue.

3.12.2.14 MARL-013 Teach pendant E-stop ON

Cause: Program cannot run with teach pendant E-STOP

Remedy: Release teach pendant E-stop, press reset and push cycle start to continue.

3.12.2.15 MARL-014 Teach pendant is enabled

Cause: Program cannot run with teach pendant enabled

Remedy: Disable teach pendant, press reset, and push cycle start to continue.

3.12.2.16 MARL-015 Program not selected

Cause: No program was selected from the SELECT menu prior to pressing CYCLE START.

Remedy: Select a program and then press CYCLE START.

3.12.2.17 MARL-016 %s already running

Cause: An attempt was made to run a program that was already running.

Remedy: No action necessary. This is only a warning message.

3.12.2.18 MARL-017 Register not defined %s

Cause: Register not defined or out of range.

Remedy: Check if the register is defined, if it is between 1-32.

3.12.2.19 MARL-018 Reg %s could not be set

Cause: Register operation failed

Remedy: Check if the register is defined, if it is between 1-32 and if it has the right value. ABORT ALL and retry

3.12.2.20 MARL-019 MRTool aborted

Cause: User switched to another screen without pressing DONE in the cycle start menu.

Remedy: This is a warning message. Do not switch screens before pressing DONE at the cycle start menu.

3.12.2.21 MARL-020 Product number not entered

Cause: User pressed DONE key without entering the product number in the cycle start menu.

Remedy: This is a warning message. Enter the product number and then press DONE.

3.12.2.22 MARL-021 %s exists. Not loaded

Cause: An attempt was made to copy a file which is already loaded on the controller.

Remedy: This is a warning message.

3.12.2.23 MARL-022 Loading error - %s

Cause: An error occurred while loading a file to the controller memory.

Remedy: This is a warning message. The file did not get loaded. Check if the communications cable is connected and that it is ok. Make sure the file you want to load exists on the floppy.

3.12.2.24 MARL-023 PosReg %s could not be set

Cause: Position Register operation failed

Remedy: Check if the position value is defined and if it is valid. ABORT ALL and retry

3.12.2.25 MARL-031 %s Semaphore timeout

Cause: This alarm indicates that there is a problem with the serial line used for the active gripper device.

Remedy: You must clear the serial line by changing it in the PORT I/O menu from No Use to Host Comm and then back to No Use. Follow these steps: