1. Select SETUP.

2. Press F1, [TYPE].

3. Select Port Init.

3.12.2.26 MARL-038 %s Invalid field value

Cause: This 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:

1. Select SETUP.

2. Press F1, [TYPE].

3. Select Port Init.

3.12.2.27 MARL-046 %s Unknown AFD Error

Cause: An error has occurred. THIS NEEDS TO BE MORE SPECIFIC.

Remedy: Refer to *Pushcorp's FCU1000 Controller Manual* for detailed info on the error. If you are unable to resolve the error, contact the FANUC America Corporation Hotline. The following errors might be assigned to MARL-046: 1001 "Unknown command" 1

3.12.3 MASI Alarm Code

3.12.3.1 MASI-001 Internal Error (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been

loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.2 MASI-002 Internal Assert Error (G: %d^2)

Cause: Internal error that cause assert. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.3 MASI-003 Feature Not Supported (G: %d^2)

Cause: This function does NOT support this feature.

Remedy: Disable the feature and try again

3.12.3.4 MASI-004 Out of Memory

Cause: The system ran out of memory during initialization.

Remedy: Check $MASYCFG for too large values Use a larger memory configuration.

3.12.3.5 MASI-005 %s

Cause: Warning message. The cause is displayed in the message.

Remedy: Check system setup

3.12.3.6 MASI-006 %s

Cause: STOP error message. The cause is displayed in the message.

Remedy: Check system setup

3.12.3.7 MASI-010 MEMORY ALLOC ERROR

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.8 MASI-011 Pls Setup MASH

Cause: MASH has not been setup yet

Remedy: 1. Set up RIPE via HOST COMM in setup menu 2. Set up MASH in setup menu and set a robot as master 3. Cycle power

3.12.3.9 MASI-012 Pls Set Master in MASH

Cause: Users have not set a master device yet.

Remedy: Please set up a master device via MASH in setup menu

3.12.3.10 MASI-013 Pls Set Group Mask in Prog

Cause: The program that has WaitZone/SyncZone/EnterZone/ExitZone instructions does not have group mask set.

Remedy: Please set group mask in the TP program header or don't use the instructions in the program.

3.12.3.11 MASI-014 Invalid Device ID

Cause: The specified device ID in WaitZone/SyncZone is not valid

Remedy: Please re-specify the device ID in the instruction or setup the system correctly.

3.12.3.12 MASI-015 Pls Use Different Device ID

Cause: The specified device ID has been used in the same WaitZone/SyncZone statement

Remedy: Please re-specify valid device ID in the instruction

3.12.3.13 MASI-016 Invalid Space ID

Cause: The specified space ID is invald in the Enter/ExitZone statement

Remedy: Please re-specify valid space ID in the instruction

3.12.3.14 MASI-017 Check Device:%d^2

Cause: The Device may stop running

Remedy: Please check the device status

3.12.3.15 MASI-018 Err in OSXSND

Cause: There is an error when sending pkt from one controller to different controller

Remedy: Please check MASH and RIPE setup

3.12.3.16 MASI-019 Err in OSSND

Cause: There is an error when sending pkt to the same controller

Remedy: Please check MASH and RIPE setup

3.12.3.17 MASI-020 No System Variables (G: %d^2)

Cause: System variables are not available. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.18 MASI-021 No Data Structure (G: %d^2)

Cause: Internal Data structure is not available. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.19 MASI-022 Stack Underflow (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version

number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.20 MASI-023 No Stack (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.21 MASI-024 Stack Overflow (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.22 MASI-025 Stack Not Full (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.23 MASI-026 Corrupt Data (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.

3.12.3.24 MASI-027 Cycle Power: WS stk (G: %d^2)

Cause: Internal error. This class of error should not be encountered during normal operation

Remedy: The system may have been corrupted. This may have been caused by any of a number of reasons including: Incorrect loading and setup loading incompatible options, mixing software version when adding options and other memory corruption problems. The following is a list of possible remedies: 1. Perform a cold start. 2. Perform an init start and setup the robot again 3. Confirm that any options or additional software not on the original software distribution media is the same version number. If the main system software was supplied on several disks or memory cards, make sure that you are using a matched set. Also make sure that the installation manual being used is for this version of software. If any of the software version are not matched, a complete re-load with the correct software will be necessary. 4. Confirm that no incompatible or mutually exclusive option have been loaded. 5. Full software reload. 6. If the error is not cleared, document the events that led to the error and call your FANUC America Corporation technical representative.