3.12.3.25 MASI-028 Cycle Power: Z 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.

3.12.4 MCTL Alarm Code

3.12.4.1 MCTL-001 TP is enabled

Cause: Teach pendant is enabled, therefore motion control was not granted.

Remedy: Disable the teach pendant, and try the operation again.

3.12.4.2 MCTL-002 TP is disabled

Cause: The teach pendant is disabled, therefore motion control was not granted.

Remedy: Enable the teach pendant, and try the operation again.

3.12.4.3 MCTL-003 system is in error status

Cause: The system is in error status, therefore motion control was not granted.

Remedy: Clear the error by pressing RESET, and try the operation again.

3.12.4.4 MCTL-004 motion is in progress

Cause: Motion control was not granted because otion is still in progress.

Remedy: Wait until the robot comes to a complete stop.

3.12.4.5 MCTL-005 not in control of motion

Cause: Motion control was not granted because brakes were engaged.

Remedy: Make sure all brakes are released and try the operation again.

3.12.4.6 MCTL-006 TP has motion control

Cause: The teach pendant currently has the motion control, therefore motion control was not granted.

Remedy: Disable the teach pendant, and try the same operation again.

3.12.4.7 MCTL-007 PROG has motion control

Cause: The program has the motion control, therefore motion control was not granted.

Remedy: Pause or abort the program, and try the same operation again.

3.12.4.8 MCTL-008 Operator panel has motion control

Cause: Becasue the operator panel has the motion control, the motion control was not granted.

Remedy: Set the $rmt_master system variable correctly, and try the operation again.

3.12.4.9 MCTL-009 Other has motion control

Cause: Other device has the motion control, and the motion control was not granted.

Remedy: Set the $rmt_master system variable correctly, and try the operation again.

3.12.4.10 MCTL-010 Other than msrc is rel'ing

Cause: System 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.

3.12.4.11 MCTL-011 Due to error processing

Cause: System 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.

3.12.4.12 MCTL-012 subsystem code unknown

Cause: System 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.

3.12.4.13 MCTL-013 ENBL input is off

Cause: ENBL input on the UOP is off.

Remedy: Set ENBL input ON.

3.12.4.14 MCTL-014 Waiting for Servo ready

Cause: The motion control was not granted because servo was not up.

Remedy: Wait for a few seconds until servo is up and ready.

3.12.4.15 MCTL-015 Manual brake enabled

Cause: The motion control was not granted because manual brake control is enabled.