3.13.1.15 NCBN-015 File Name must be Prog name

Cause: Program name and file name does not match

Remedy: The NC file name must be the same as the program name specified by the O-code Example: File name O1234.NC should be used for program 'O1234'

3.13.1.16 NCBN-016 Position #%d uninit LN#%d

Cause: position field indicated is not initialized

Remedy: Make sure all position components are specified

3.13.1.17 NCBN-017 Bad Line number LN#%d

Cause: Line number NOT valid

Remedy: Make sure N-code contains

3.14 O

3.14.1 OPTN Alarm Code

3.14.1.1 OPTN-000 Unknown error (OPTN)

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.

3.14.1.2 OPTN-001 Too many options installed

Cause: The maximum number of software options/updates (50) is installed.

Remedy: None required. Options/updates will load but not be logged.

3.14.1.3 OPTN-002 Installed: '%s'

Cause: Installation of software option/update has finished successfully.

Remedy: This is just a notification. You do not have to do anything for this warning message.

3.14.1.4 OPTN-003 Skipped: '%s'

Cause: S/W option was skipped by installer.

Remedy: Some options cannot be overlayed, you may need to delete some options first.

3.14.1.5 OPTN-006 Not Installed: '%s'

Cause: The specified software option was not installed properly.

Remedy: Reinstall the option.

3.14.1.6 OPTN-007 Unauthorized: '%s'

Cause: Software option has not been authorized for this configuration.

Remedy: Call your FANUC America Corporation technical representative.

3.14.1.7 OPTN-008 Requires: '%s'

Cause: The required floppy disk was not used.

Remedy: Reinstall the option using the required floppy disk.

3.14.1.8 OPTN-009 Authorized: '%s'

Cause: Software option is now authorized for this configuration.

Remedy: This is a notification. No action is needed.

3.14.1.9 OPTN-010 Force COLD start

Cause: Setup Application has not been done

Remedy: Setup Application prior to START (COLD)

3.14.1.10 OPTN-011 Cycle Power

Cause: Power down and then up is needed

Remedy: Turn the controller off, and then back on

3.14.1.11 OPTN-012 ID file is missing/corrupt

Cause: The LICENSE file, license.dat, is missing or corrupted

Remedy: Do a full load from the original distribution media.

3.14.1.12 OPTN-013 Invalid PAC

Cause: The supplied PAC is not valid for this option.

Remedy: Obtain a valid PAC for this option.

3.14.1.13 OPTN-014 Dependency nesting too deep

Cause: The option nesting tree is too deep.

Remedy: Install sub-options first.

3.14.1.14 OPTN-015 Excludes: '%s'

Cause: This option is not compatible with an option that is already installed.

Remedy: You cannot have both options.

3.14.1.15 OPTN-016 Key file is missing/corrupt

Cause: The KEY file, keyfile.dat, is missing or corrupted

Remedy: Do a full load from the original distribution media.

3.14.1.16 OPTN-017 No UPDATES on this media

Cause: The distribution media does not contain, update.tx, so there are no updates to install.

Remedy: None required.

3.14.1.17 OPTN-018 No %s additions on this media

Cause: The distribution media does not contain, custom.tx, so there are no customizations to install.

Remedy: None required.

3.14.1.18 OPTN-019 Versions mismatched

Cause: The distribution media contains updates or customizations, but has a different release version than this core.

Remedy: None required.

3.14.1.19 OPTN-020 Too many %s references

Cause: The maximum number of feature references in the .fd files is exceeded. These include: REQUIRE, INCLUDE, EXCLUDE

Remedy: If the alarm includes: Increase KAREL constant: CONFIG CLIMIT REQUIRE DLIMIT OPTION OLIMIT Robot REQUIRE RLIMIT STANDARD SLIMIT

3.14.1.20 OPTN-021 Check orderfil.dat fails: %s

Cause: One or more lines in orderfil.dat have Order Numbers for options that can not work for this ApplicationTool.

Remedy: Remove or correct the line that contains the specified Order Number.

3.14.1.21 OPTN-022 Demo option %s expires in %d days

Cause: The Demonstration version of the option provides 60 days of free operation. This message indicates that there are ''%d'' days that are left for this option to operate. Option operation will be restricted or eliminated after that. The Order No. of the specific option is provided in the Cause message.

Remedy: None is required. If use beyond the 60 days is required, then the option can be purchased and authorized for permanent operation.

3.14.1.22 OPTN-023 Max number of arms is exceeded.

Cause: The maximum number of robot arms allowed has been exceeded. The default max number of arms is 2.

Remedy: Load TQAP:Triple Quad Arm Package to increase the max number of robot arms to 4.

3.14.1.23 OPTN-024 Too many motion groups installed

Cause: The maximum number of motion groups is installed.

Remedy: None required. All of the setup for the Motion Group might not be complete.

3.14.1.24 OPTN-025 %s DEMO has expired

Cause: The 60-day use period of this DEMO option has expired.

Remedy: Choose Controlled Start for the controller and then choose MENUS, S/W INSTALL, Option, then DEMOS. Please authorize this option. Refer to the Controller Software Installation Manual or contact your FANUC America Corporation Representative for more information.

3.14.1.25 OPTN-026 Demo Authorized: '%s'

Cause: Software option is now demo authorized for this configuration.

Remedy: This is a notification. No action is needed.

3.14.1.26 OPTN-027 ID Mismatch : lic(%s) and act(%s)

Cause: Controller ID does not match license ID.

Remedy: Correct from Reserialize Page at CTRL Start.

3.14.1.27 OPTN-028 Invalid LAC

Cause: The supplied LAC is not valid for this controller.

Remedy: Correct from Reserialize Page at CTRL Start.

3.14.1.28 OPTN-029 LAC Updated

Cause: The supplied LAC is valid for this controller.

Remedy: This is a notification. No action is needed.

3.14.1.29 OPTN-030 Max number of retries exceeded.

Cause: A small number of retries is allowed to authorize an option or re-authorize a license file.

Remedy: Obtain a valid PAC or LAC, and enter the numbers accurately.

3.14.1.30 OPTN-031 The KAREL option is required

Cause: The KAREL option, R632, must be installed in order to load this file.

Remedy: Install the KAREL option.

3.14.1.31 OPTN-032 EXTEND not appropriate.

Cause: Extending the number of days to use a Demonstration options is not valid in this context.

Remedy: Only Demonstration options can be extended. Permanent options can NOT be extended. Authorized options can NOT be extended.

3.14.1.32 OPTN-033 Image not backed up.

Cause: Controller Image should be backed up prior to installing options. This allows you to restore an image without the added options should you need to.

Remedy: Backup your controller image prior to installing. additional options.

3.14.1.33 OPTN-034 BACKUP not appropriate.

Cause: The controller image cannot be backed up at this time. An AutoUpdate is needed to complete this option installation.

Remedy: Press AUTOUPDT to complete this option installation.

3.14.1.34 OPTN-035 Image already backed up.

Cause: The controller image is already backed up.

Remedy: This is a notification. No action is needed.

3.14.1.35 OPTN-036 Enabled: '%s'

Cause: Software option is now enabled for this configuration.

Remedy: This is a notification. No action is needed.

3.14.1.36 OPTN-037 Disabled: '%s'

Cause: Software option is now disabled for this configuration.

Remedy: This is a notification. No action is needed.

3.14.1.37 OPTN-038 NOT Enabled: '%s'

Cause: Software option is NOT enabled for this configuration.

Remedy: This is a notification. No action is needed.