Remedy: Delete the pallet instruction and teach it again.

3.15.2.10 PALT-035 Group 1 is not set up.

Cause: If Motion group 1 is not set up, The Palletizing option is not avaiable.

Remedy: Set up Motion group 1.

3.15.2.11 PALT-036 Palletizing Internal Error

Cause: A palletizing internal error has occurred.

Remedy: This is the internal error.

3.15.2.12 PALT-037 Invalid command is executed

Cause: This command can not be executed in palletizing.

Remedy: Remove the invalid command.

3.15.3 PICK Alarm Code

3.15.3.1 PICK-002 GET_VAR failed %s

Cause: Data could not be obtained from the data source.

Remedy: Check the data source.

3.15.3.2 PICK-003 SET_VAR failed %s

Cause: Data could not be set in data source.

Remedy: Check the data source.

3.15.3.3 PICK-004 Data modification disallowed

Cause: The robot is in production. Setup data cannot be changed during production.

Remedy: Wait until production is aborted, and then make the changes.

3.15.3.4 PICK-005 No more groups installed

Cause: The user is attempting to change groups but there is only one installed group.

Remedy: None.

3.15.3.5 PICK-006 Robot Grp %s is already master

Cause: The user is attempting to set the master for more than one robot or robot group.

Remedy: The user should first set Master = FALSE for the robot for which Master is already set to TRUE.

3.15.3.6 PICK-007 Robot not assigned to network

Cause: The Host Comm setup is not done for this robot. The robot hostname and IP address are important for the part Queue manager to communicate with and between robots.

Remedy: From the Host Comm setup menu, assign a name and a valid IP address for this robot. Also, enter the names and IP addresses of all the other robots on the network.

3.15.3.7 PICK-008 Error communicating with Robs

Cause: An error occurred while this robot tried to get data from another robot over the robot ring or Ethernet.

Remedy: Check if all robots have a valid IP address and PickTool software. If ok, then document the events that led to the error and provide information on the program and line number where this error occurred to your FANUC America Corporation technical representative.

3.15.3.8 PICK-009 No robot is a master

Cause: No robot has been set as a master.

Remedy: Set one of the robots as master in the Setup menu. Also make sure that there is only one master.

3.15.3.9 PICK-010 More than 1 robot is a master

Cause: More than one robot has been set as master.

Remedy: Check the setup menus of all the robots and set only one of them as master.

3.15.3.10 PICK-011 Error reading LT boundary

Cause: An error occurred reading Line track boundary data.

Remedy: Check the line track setup menu and ensure that for the schedule you intend to use, and the boundary set you intend to use, proper values exist. Also check the PK robot setup menu to see if you have entered the proper values for the schedule and the boundary number.

3.15.3.11 PICK-012 Error reading LT enc scale

Cause: An error occurred reading the Line tracking encoder scale.

Remedy: Check the line track setup menu and ensure that for the schedule you intend to use, a proper value for encoder scale exists. If not, teach it. Also check the PK robot setup menu to see if you entered the proper line track schedule number.

3.15.3.12 PICK-013 Max num of robots exceeded

Cause: The maximum number of robots that Picktool can handle has been exceeded.

Remedy: PickTool can handle a maximum of 10 robot groups. Reduce the number of groups or robots to less than 10.

3.15.3.13 PICK-014 Error getting rob data %s

Cause: An error occurred while reading data from robot ROBOT_NAME in the robot ring.

Remedy: Look at the cause code with the error. Make sure that Ethernet is set up correctly with all the robots. Check the Host Comm menu on each robot and make sure that all members are listed on each controller. Make sure ROSIPCFG.XML in FRS: refers to all members in the Host Comm menu.

3.15.3.14 PICK-015 Move-TO could not execute

Cause: An error was encountered while trying to move to a taught position. It could be due to a motion limit error or an incorrectly taught point.

Remedy: Make sure to record the position correctly. Check the associated cause code if available.

3.15.3.15 PICK-016 Frame was not taught.

Cause: Without completing frame teaching of all 3 positions, you cannot proceed to the next step.

Remedy: Teach the frame positions correctly.

3.15.3.16 PICK-017 MOVE TO done

Cause: The robot completed a move-to operation.

Remedy: None.

3.15.3.17 PICK-018 Position has not been taught

Cause: The position has not been taught yet.

Remedy: The position must be taught.

3.15.3.18 PICK-019 Position is not reachable

Cause: The position the robot is trying to move to is not reachable.

Remedy: Verify that the value of $UTOOL and/or $MNUTOOL are correct

3.15.3.19 PICK-020 Invalid Conveyor DO[]

Cause: The DOUT port number specified for the conveyor is invalid.

Remedy: Check if the I/O point is configured correctly.

3.15.3.20 PICK-021 The ID # of the robot unknown.

Cause: The ID# of the robot could not be determined.

Remedy: Check the PK Robot setup menu and make sure the ID exists, and is unique amongst the set of robots.

3.15.3.21 PICK-022 Total util of all robots < 100

Cause: The utilization percent for each robot does not add up to 100 percent. This prevents load balancing from working properly.

Remedy: In the PK Robot menu of each robot, specify percent utilization so that they add up to 100.

3.15.3.22 PICK-023 No PickTool QMGR variable

Cause: The Picktool QMGR task global variable does not exist. No dynmaic load balancing can be done.

Remedy: Document the events that led to the error, and contact your FANUC technical representative.

3.15.3.23 PICK-024 Not all Reference sysv exist

Cause: The Picktool QMGR task can not get all the relevant system variables.

Remedy: Document the events that led to the error, and contact your FANUC technical representative.

3.15.3.24 PICK-025 Encoder not setup yet

Cause: The Encoder has not been set up yet.

Remedy: Set up the encoder correctly.

3.15.3.25 PICK-035 Invalid encoder number

Cause: An invalid Encoder setting of $TRK_ENC_NUM is set in the $LNSCH[] system variable.

Remedy: Correct the system variable setting.

3.15.3.26 PICK-036 Invalid motion group

Cause: An invalid motion group was specified.

Remedy: PickTool only supports up to 2 motion groups.

3.15.3.27 PICK-037 Robot is not calibrated

Cause: The robot is not calibrated.

Remedy: Follow the process of setting the master count for the robot.

3.15.3.28 PICK-038 DIN port is ON

Cause: The digital input port is already ON.

Remedy: Move the target upstream ahead of the DIN location.

3.15.3.29 PICK-039 Invalid $LNSCH number

Cause: An invalid $LNSCH number was specified.

Remedy: Change the line tracking schedule number to a validate one.

3.15.3.30 PICK-040 Not all positions are recorded

Cause: Not enough recorded positions.

Remedy: Record all three required positions.

3.15.3.31 PICK-041 Recorded points are too close

Cause: Positions are recorded too closed to each other.

Remedy: Make sure the recorded positions are at least 50 mm apart from each other.

3.15.3.32 PICK-042 $LNSCH has not been setup

Cause: The Line Tracking Schedule has not been properly set up.

Remedy: Set up the line tracking schedule before setting up the track frame.

3.15.3.33 PICK-043 No duplicated update

Cause: The track frame has been updated before.

Remedy: None.

3.15.3.34 PICK-044 Please follow the steps

Cause: Some required steps have been skipped.

Remedy: Follow the setup wizard's steps.

3.15.3.35 PICK-045 Invalide reference position

Cause: The reference position is uninitialized.

Remedy: Go to controller of the reference robot, select PickTool track frame menu. Set the Calibration Type to Set Reference. Follow the wizard's procedure.

3.15.3.36 PICK-046 Set Track Frame first.

Cause: Set Reference requires track frame.

Remedy: The track frame should have been set up before it can be used for reference. Select another robot that has its track frame done before for reference. Then come back to this robot and add this robot to the line.

3.15.3.37 PICK-100 Error opening %s.

Cause: The specified file could not be opened to read or write data. The file might be missing or the file device might be full.