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Hurco MB - I / MB - I H Tool Changer Error Messages

ERROR CODE: 84
" Arm back " not detected, or both " arm front " and " arm back " was detected.
1) Checked when axis is calibrated, jogged or moving in the auto program mode.
2) Checked when spindle manual control is exercised.
3) Checked in auto tool changer mode.

ERROR CODE: 60
The current tool number is zero (0) and there is a tool in the spindle.

ERROR CODE: 61
There is a tool in the tool magazine at the current tool number location.

ERROR CODE: 62
During a tool change while the Z-axis is moving, the spindle must be unclamped or the error code is displayed.

ERROR CODE: 63
Once the "shot pin" solenoid is energized during a tool change, a check for the "shot pin in" limit switch is made for the rest of the tool change. If this limit switch is not seen, the error code is displayed.

ERROR CODE: 64
While moving the tool magazine arm in to "get a tool" or "put a tool" in the spindle, during tool change, a check is made for the "magazine-in-position" switch. If not detected, the error code is displayed.

ERROR CODE: 65
(Applies to the MB - 1H only.)
Before the "shot pin" solenoid is energized, an orientation speed check is made to determine if the speed is less than 60 RPM.
1) Checks for spindle reference input.
2) Checks for spindle speed less than 60 RPM.
* Any of the above can cause the error to be displayed.

ERROR CODE: 66
Before the "shot pin" solenoid is energized, a check for the drive monitor signal (DM) is made. If not detected, the error code is displayed.

ERROR CODE: 67
While the tool magazine arm is in (front), a check for the "arm in" limit switch is made during any Z-axis movement. If not seen, the error code is displayed.

ERROR CODE: 68
If the tool magazine is requested to rotate and no rotation takes place, the error code will be displayed.

ERROR CODE: 69
If the tool magazine is rotating and a non - sequential tool number is detected, the error code will be displayed.
Each time a normal tool change function is performed, a check for that function's limit switch is performed. If not detected, one of the following errors will occur.

ERROR CODE: 25
"Shot pin" in; "Shot pin" out; Same limit switch.

ERROR CODE: 27
Drive monitor (DM) off.

ERROR CODE: 06
Arm pivot in.

ERROR CODE: 07
Arm pivot out.

ERROR CODE: 26
Spindle "clamp;" Spindle "unclamp;" Same limit switch.