LeftInitTiltUnit.vi

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LeftInitTiltUnit.vi

Error In ═══════════ Error out

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Left Index?

Error out

Error In

status   code

status   code

0

0

source

source

Index?

Left Drive Status

Enabled

Left Vsup Present

Left Drive Fault

Left Temp Fault

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LEFT
INIT
TILT
UNIT

Error In

Error out

Search for the index pusle and stop searching when the index pulse is found

True

Checks the status of the 9505 module
until the drive status registers as enabled

initial ms count

Left Vsup Present   Left Vsup Present

Left Drive Fault   Left Drive Fault

Left Temp Fault   Left Temp Fault

Left Index?   Left Index?

Left Enable Drive

Left Init?

Left Drive Status   Left Drive Status

Disabled

GlobalStop-PC

500   left Init Current Output

Sets the current output to 700 to
start to move the tilt unit to search
for the index pulse

5000

False

If loop has been running for
longer than 5 seconds, timeout

Left Index?

Index?

GlobalStop-PC

850001

Left Tilt unit initialization timed out after 5 seconds

Stop moving the tilt unit when
the index pulse is found

0   left Init Current Output

1. Take the control code off of init mode
2. Reset the position of the tilt unit to zero ticks
3. Set the position set point to 34 degrees (the
   position in degrees of the tilt unit)

Left Init?

Left Reset Position

35   Left Pos Setpt

10

Give the
reset position
state time
to propopgate
down to
FPGA

Left Reset Position

Set the reset position
variable back to false

True

False