

ESI Learn Floor Trip

Before performing the ESI Learn Floor Trip, there are several new parameters that must be verified.

- PAR[20] → Unlock Parameters – *unlock system parameters*
- PAR[81] → Slowdown Distance #1 – *distance in inches from the terminal floor (one floor run)*
- PAR[82] → Slowdown Distance #2 – *distance in inches from the terminal floor (multi-floor run)*
- PAR[85] → Level Magnet Length – *in inches*
- PAR[86] → Contract Speed (FPM) – *top speed of the car*
- PAR[87] → Contract Motor RPM – *adjust to get correct speed*
- PAR[88] → Learn Floor Heights - *should be at zero expect when performing the test*
- PAR[97] → Encoder PPR – *1=1024 2=2048*

Prep Work

- 1A) Controller with Delta Vector, must be autotuned FIRST.
- 1) Reboot Controller
 - 2) Bring car to the lowest landing
 - 3) Verify that Z relay is ON
 - 4) Leave car in Automatic / for HPV-900 – Set inspection to 25 fpm
For Delta vector set ofr (par 4-00) to 6Hz.

Initialize Test

- 5) Set PAR[20] = 3 *Enable Parameter Setting*
- 6) Set PAR[88] = 1 *Enable Learn Floor Trip*
- 7) From the ESI MON screen, use the ^ to go to the ESI MON-2 Screen

Begin Learn Floor Trip

- 8) Place a car call to the top floor and allow car to run to the top floor – *Note that the car will run at inspection speed and stop at the top floor. PAR [80] will reset automatically upon stop.*
- 9) Go to the Setup/Utilities Menu screen and use the ^ to get to the View Floor Counts Screen. View the value of the floor counts and verify that all floors have a value.

Verify Results

- 10) Run the car down one floor at a time.
- 11) Run the car up one floor at a time.
- 12) Run the car several floors at a time in the down direction.
- 13) Run the car several floors at a time in the up direction.
- 14) Make one floor runs into the Terminal Landings.
- 15) Make multi-floor runs into the Terminal Landings.
- 16) Set inspection or ofr speeds back to original settings.