

DELTA ED DRIVE

AUTO-TUNE PROCEDURE

Assuming that the car has been running on Inspection or Automatic with all doors, gate switch and all safety circuits properly installed and ENCODER installed and wired to the white terminals at the bottom of the controller.

1. Put car on Inspection.
2. Press MODE button on drive parameter unit, until reaching "A", Ampere reading.
3. Run car UP and Down one floor and record Ampere values.
4. Put car on Inspection.
5. Press MODE until display reads "U": "r 0" OUTPUT RPM.
6. Run car UP and Down, write down values as shown on display. Note: Down should be a negative number. Up a positive number . If Down is positive and Up is negative, the encoder signals need to be reversed. Switch A and A! encoder wires. Rerun car and confirm that Down is negative and Up is positive.
7. Press MODE to read " H ", FREQUENCY COMMAND, run UP, DOWN values will be equal,
8. Change parameter "05-00" to "2 " Motor Auto Tuning. (Note: Unlock Unit By Setting 0-02 to "0")
9. Press MODE to return to "H " : " 0.00 " on display.
10. Remove Brake lead # B1, Note; car should still be on Inspection.
11. Using the controller Inspection Run Button, run the car Up. The motor will not rotate, but may make some sounds. "TUN" will flash on keypad, when the Auto-tune is complete the "TUN" will change to "F". Note: BR & DBE may Pulse during Auto-Tune.
12. Read Parameter " 05-00 " it should be " 0 ", Auto-tuning is complete.
13. Change Parameter " 00-09 " to " 3 ", Vector Control + PG (closed loop).
14. Press MODE to " U ": "r 0".
15. Reconnect Brake lead # B1. Note: car should still be on Inspection.
16. Run car UP and Down, note values. while reading " U " both (RPM) directions should be Equal.
17. Press MODE to " H ". Run UP, DOWN, Note values they should be Unequal.
18. Press MODE to read "A" amps, run UP, Down, note values they should be lower then before.
19. Return car to Automatic, make several trips in both directions. The car should run fine.