TECHNICAL SERVICE MODE PROGRAMMING FOR FLOOR LIFT CONTROL BOXES

Using the Technical Service Mode programming procedure allows you to adjust certain lift parameters. Entering this mode involves pressing specific buttons both on the hand control (see Fig. 1) and on the unit's control box (see Fig. 2) in a particular sequence. Please familiarize yourself with the control buttons involved in the technical service mode programming shown below.

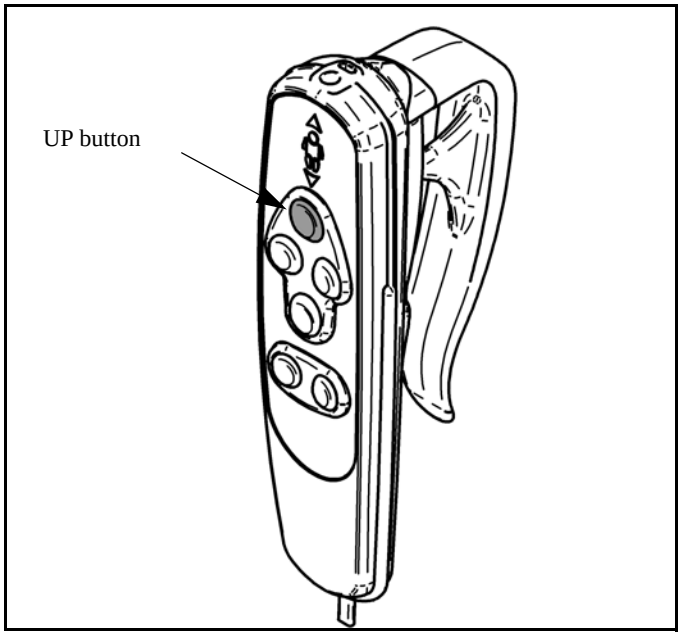

Fig. 1

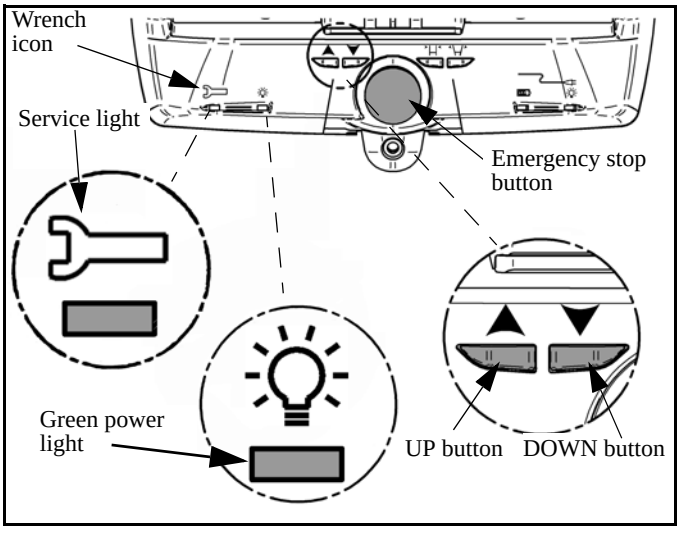

Fig. 2

The technical service mode programming levels are shown in Figure 3.

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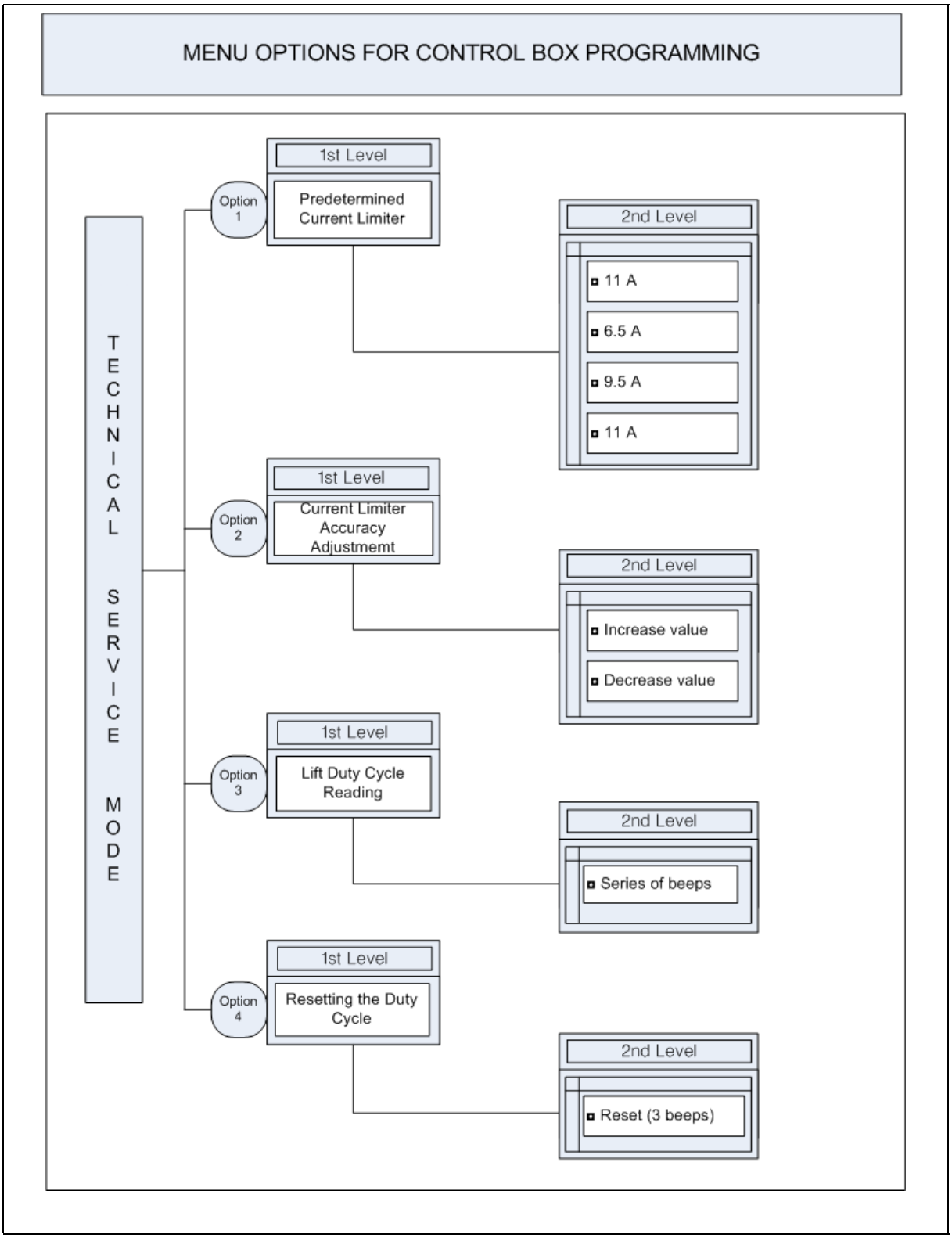

Fig. 3

TECHNICAL SERVICE MODE PROGRAMMING FOR FLOOR LIFT CONTROL BOXES

Step 1 - Entering Programming Mode

- Push the emergency stop button on the control box to desactivate the unit.
- Simultaneaously press and hold UP and DOWN buttons on the control box and the UP button on the hand control.
- While continuing to hold the buttons, restart the unit by releasing the emergency stop button, twisting it clockwise by one quarter turn.
- Continue to hold the buttons for approximately eight seconds, until you hear five beeps. The green power light will flash five times as well.
- When the buttons are released, a single beep will indicate that you have entered the Level 1 technical service programming mode. The red light beneath the WRENCH icon will turn on.

Step 2 - Programming Mode Options

Once in the technical service mode, there are four choices available. Make your selection by pressing and releasing the UP button on the hand control. Listen for the number of beeps. The beeps correspond to the number of times you press on the UP button.

- 1 beep = Option 1: To select the predetermined current limiter
- 2 beeps = Option 2: For current limiter accuracy adjustment
- 3 beeps = Option 3: Lift duty cycle reading
- 4 beeps = Option 4: To reset lift duty cycle

When your selection is made, press the UP button **on the control box** to confirm your selection.

Step 3 - Programming the Various Options

Option 1: Selecting the Predetermined Current Limiter Value (1 beep)

Once you have made your selection and confirmed it as described in Step 2, there will be four choices available to you:

1 beep	2 beeps	3 beeps	4 beeps
11 A	6.5 A	9.5 A	11 A

Fig. 4

Please refer to Fig. 5 for current limit settings in relation to the control box part number.

- Make your selection by pushing the UP button on the hand control until your hear the corresponding number of beeps.
- Confirm your selection by pressing the UP button on the control box; the unit will beep once.
- Push the emergency stop button to restart the unit in normal operating mode.

Control Box Part Number	Current Limiter Setting	Programming Number of Beeps
700.16000.2	11 A	1
700.16001.2	11 A	1
700.16004.2	11 A	1
700.16005.1	6.5 A	2
700.16005.2	11 A	1
700.16005.4	11 A	1
700.16006.2	11 A	1
700.16007.2	11 A	1
700.16008.2	11 A	1
700.16015.2	11 A	1
700.16016.2	11 A	1
700.16020.1	6.5 A	2
700.16020.2	11 A	1
700.16020.4	11 A	1
700.16020.5	9.5 A	3
700.16021.2	11 A	1
700.16023.2	11 A	1

Fig. 5

Option 2: Current Limiter Accuracy Adjustment (2 beeps)

Once you have made your selection and confirmed it as described in Step 2, there will be two choices available to you:

1 beep	2 beeps
Increase Value	Decrease Value

Fig. 6

- To increase the current limiter value, press and release the UP button on the hand control until you hear 1 beep. To decrease the current limiter value, press and release the UP button on the hand control until you hear two beeps.
- Confirm your selection by pressing the UP button on the control box. Finally, push the emergency stop button to restart the unit in normal operating mode.

Option 3: Reading the Lift Duty Cycle (3 beeps)

Once you have made your selection and confirmed it as described in Step 2, you will hear a series of beeps. Each beep is the equivalent to 250 cycles. One cycle is recorded for every 60 cm (24 in) the actuator travels in the up direction, then 60 cm (24 in) it travels in the down direction. Figure 7 shows a beep count from one to thirty and the equivalent number of cycles.

Beeps	Cycles
1	250
2	500
3	750
4	1000
5	1250
6	1500
7	1750
8	2000
9	2250
10	2500
11	2750
12	3000
13	3250
14	3500
15	3750
16	4000
17	4250
18	4500
19	4750
20	5000
21	5250
22	5500
23	5750
24	6000
25	6250
26	6500
27	6750
28	7000
29	7250
30	7500

At 4000 cycles, the service indicator (wrench light) turns on.

By cycle 4750, the unit begins to produce audible warning beeps.

Fig. 7

- To repeat the duty cycle reading, press the UP button on the control box.
- Push the emergency stop button to restart the unit in normal operating mode.

Option 4: Resetting the Duty Cycle Reading (4 beeps)

This option allows for the duty cycle to be reset to zero. Once you have made this selection and confirmed it as described in Step 2, there will be four choices available to you:

1 beep	2 beeps	3 beeps	4 beeps
(No effect)	(No effect)	Reset	(No effect)

Fig. 8

- Press and release the UP button three times; only the third selection (three beeps) will reset the duty cycle.
- Confirm your selection by pressing the UP button on the control box.
- Push the emergency stop button to restart the unit in normal operating mode.