

**Service Advisory:** Forward & Reverse Speed

**Reference:** SAU 08.01

**Date of Issue:** 22nd October 2008

**Affected Machines: TM12, MX19, X26, X26N, X32, AB38, SL26, SL30**

### MACHINE INSPECTION AND ADJUSTMENT

It has come to our attention that some end users have altered the elevated drive speed of UpRight machines in the field, so that these machines can move faster than our recommended elevated drive speeds.

Operating UpRight products with higher elevated drive speeds is dangerous and in certain circumstances could lead to serious machine instability.

Please ensure that you incorporate a check of the elevated speed settings into your six-monthly LOLER inspections, to ensure the speed setting is in line with UpRight's recommendations.

The speed settings should be adjusted to the values indicated in the table below. The speed settings can be displayed and adjusted from the Upper Control Box (UCB).

Machine	Speed Setting mm/sec	UCB (ITT) Setting
TM12	180	27
MX19	180	27
X26	120	35
X26N	120	35
X32	120	35
AB38	150	11

The procedure for adjusting elevated speed for each of the above machine types is attached to this document.

If any problems are encountered in carrying out this adjustment procedure please contact Up-right Technical Support Dept. for assistance:

#### Contact Details

##### USA, North, Central, and South America:

Tel: 001 (866) 8433350

E-mail: Ken.Norasene@upright.com

##### Europe, Scandinavia, Middle East, Asia-Pacific & Rest of World:

Tel: 0044 (0) 7879 483162

E-mail: neil.brown@upright.com

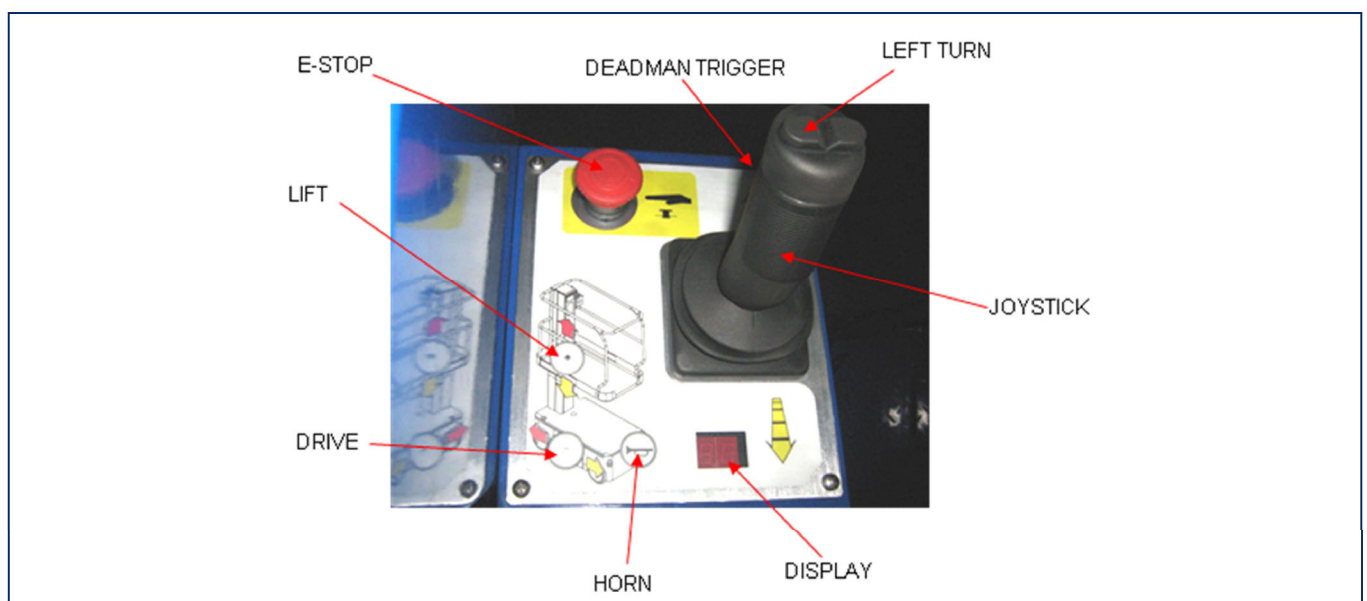
**Service Advisory:** Forward & Reverse Speed

**Reference:** SAU 08.01

**Date of Issue:** 22nd October 2008

### Procedure for adjusting elevated speed on TM12 controllers:

1. Ensure that the machine is switched off at the e-stop
2. Simultaneously press and hold the 'Horn', 'Lift' and 'Drive' buttons and release the e-stop. Then release the three buttons and 'SA' should be seen on the upper control box display.
3. Press the 'Drive' button twice. Both movement lights should flash (green).
4. Hold the deadman trigger, push the joystick forward and hold (note: do not release the joy stick until item 7). The number 31 should be displayed. This number is the elevated speed as a percentage of full speed.
5. Press the left turn button to adjust the elevated speed percentage number to 27
6. Press the 'Drive' button to store this setting. 'SA' should be displayed.
7. Release the joystick
8. To check that the correct number has been stored, press the 'Drive' button once. Both movement lights should flash (green)
9. Hold the dead man trigger, push the joystick forward and the new speed number 27 should be displayed
10. Switch off at the e-stop.



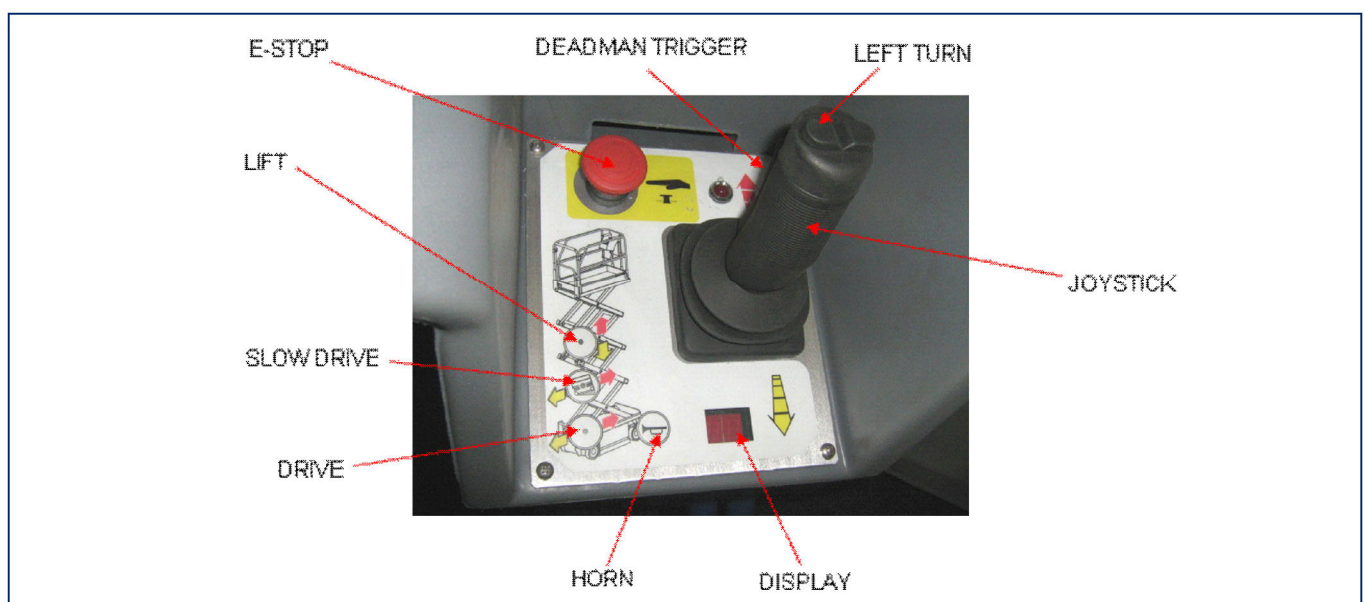
**Service Advisory:** Forward & Reverse Speed

**Reference:** SAU 08.01

**Date of Issue:** 22nd October 2008

### Procedure for adjusting elevated speed on MX19 controllers:

1. Ensure that the machine is switched off at the e-stop
2. Simultaneously press and hold the 'Horn', 'Lift' and 'Drive' buttons and release the e-stop. Then release the three buttons and 'SA' should be seen on the upper control box display.
3. Press the 'Slow drive' button four times. The slow movement and up/down lights should flash (green).
4. Hold the deadman trigger, push the joystick forward and hold (note: do not release the joy stick until item 7). The number 31 should be displayed. This number is the elevated speed as a percentage of full speed.
5. Press the left turn button to adjust the elevated speed percentage number to 27
6. Press the 'Slow drive' button to store this setting. 'SA' should be displayed.
7. Release the joystick
8. To check that the correct number has been stored, press the 'Slow drive' button once
9. Hold the dead man trigger, push the joystick forward and the new speed number 27 should be displayed
10. Switch off at the e-stop.





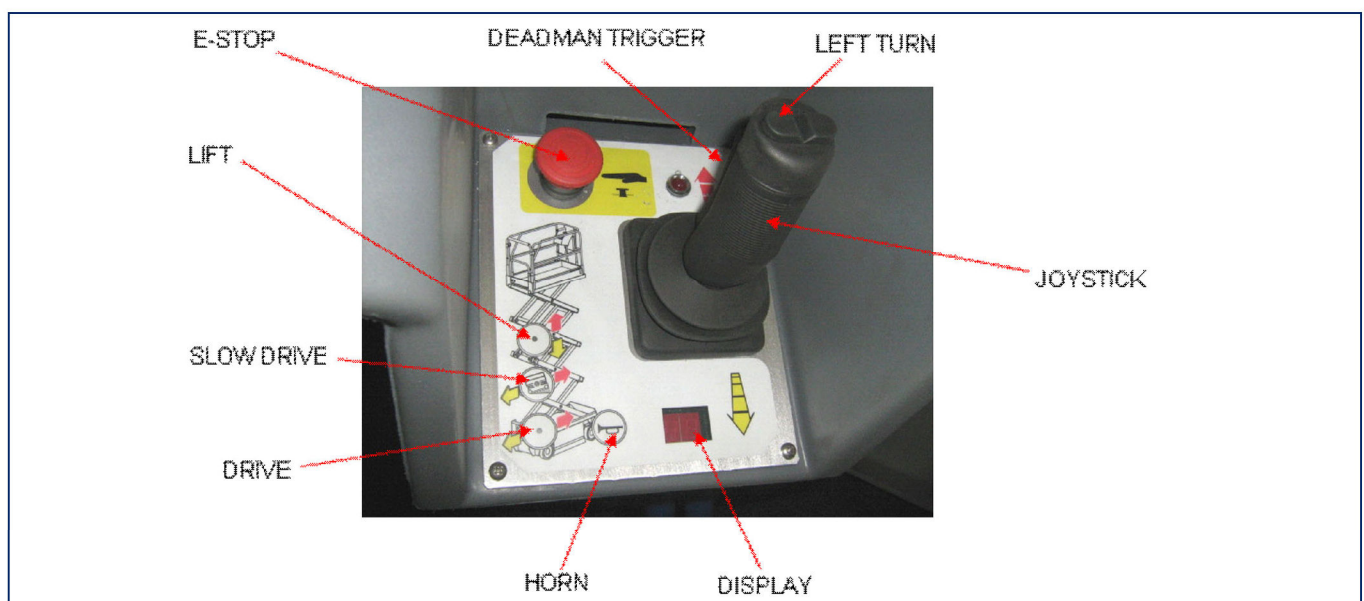
**Service Advisory:** Forward & Reverse Speed

**Reference:** SAU 08.01

**Date of Issue:** 22nd October 2008

### Procedure for adjusting elevated speed on X-Series controllers:

1. Ensure that the machine is switched off at the e-stop
2. Simultaneously press and hold the 'Horn', 'Lift' and 'Drive' buttons and release the e-stop. Then release the three buttons and 'SA' should be seen on the upper control box display.
3. Press the 'Slow drive' button four times. The slow movement and up/down lights should flash (green).
4. Hold the deadman trigger, push the joystick forward and hold (note: do not release the joystick until item 7). The number 55 should be displayed. This number is the elevated speed as a percentage of full speed.
5. Press the left turn button to adjust the elevated speed percentage number to 35
6. Press the 'Slow drive' button to store this setting. 'SA' should be displayed.
7. Release the joystick
8. To check that the correct number has been stored, press the 'Slow drive' button once
9. Hold the dead man trigger, push the joystick forward and the new speed number 35 should be displayed
10. Switch off at the e-stop.



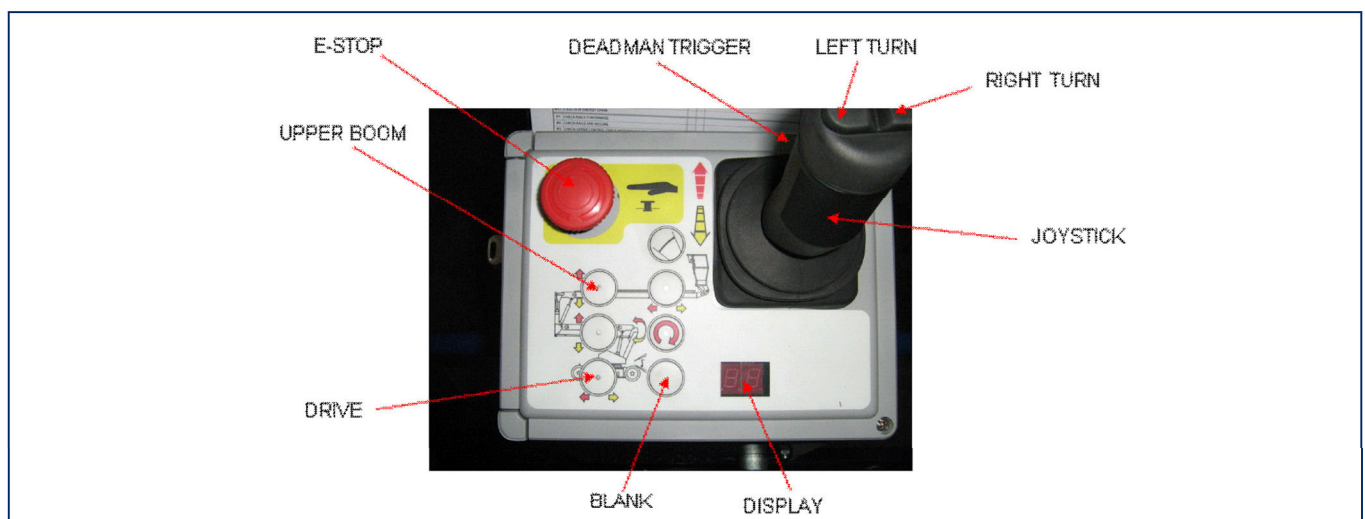
**Service Advisory:** Forward & Reverse Speed

**Reference:** SAU 08.01

**Date of Issue:** 22nd October 2008

### Procedure for adjusting elevated speed on AB38 controllers:

1. Ensure that the machine is switched off at the e-stop
2. Simultaneously press and hold the 'Upper boom', 'Drive' and 'Blank' buttons and release the e-stop. Then release the three buttons and 'SA' should be seen on the upper control box display.
3. Hold the deadman trigger and press the left/right turn buttons until 'U2' appears on the display.
4. Holding the deadman trigger, push the joystick forward and hold. (note: do not release the joystick until item 9). The number 16 should be displayed. This number is the elevated speed as a percentage of full speed.
5. Press the left turn button to adjust the elevated speed percentage number to 11
6. Still holding the deadman trigger, pull the joystick backwards and hold. (note: do not release the joystick until item 9). The number 13 should be displayed. This number is the elevated speed as a percentage of full speed.
7. Press the left turn button to adjust the elevated speed percentage number to 11
8. Press the 'Upper boom' button to store this number. 'SA' should be displayed.
9. Release the joystick.
10. To check that the correct number has been stored select 'U2' again as in step 3
11. Hold the deadman trigger and operate the joystick forward and backwards. The new speed number 11 should be displayed in both cases.
12. Switch off at the e-stop.



**Service Advisory:** Forward & Reverse Speed

**Reference:** SAU 08.01

**Date of Issue:** 22nd October 2008

### Procedure for adjusting elevated speed on SL26/30SL controllers:

**Ensure that the vehicle is at a suitable operating temperature before carrying out the speed check and adjustment.**

1. Elevate the platform above the proximity switch without the platform being loaded.
2. Time how long the machine takes to travel a measured 6 metre distance
3. The machine should operate at 0.25 metres/sec in forward and reverse i.e. 24 seconds to travel the 6m distance
4. To adjust the speed, first ensure that the machine is switched off at the upper control box e-stop
5. Simultaneously press and hold buttons 1, 2 and 3 and release the e-stop. Then release the three buttons and 'SA' should be seen on the upper control box display.
6. Hold the deadman trigger and using the left and right turn buttons on the joystick step through until 'U4' appears on the display. (note: do not release the deadman trigger until after item 8)
7. Push the joystick forward and adjust the forward creep speed using the left and right turn buttons
8. Save the new setting by pressing the low drive button '4'
9. Check the creep speed setting by testing that the machine has achieved the 0.25 m/s over the measured 6 metre distance
10. Repeat steps 3 to 8 until the correct speed setting is achieved
11. The reverse creep speed is set by following steps 3 to 8 but the joystick is pulled back in step 6 to select the reverse drive function

