

#### Updating Front and Rear ECU Programmes with SW part numbers

#### Category

Smartlift

# Models and Markets

This document applies to all Smartlift and Digital Control units.

### Information

Note: The SMARTlift System consists of two ECU's one on each crane. <u>Both</u> ECU's must be updated at the same time using the method below.

Before starting this procedure ensure that you have:

- Laptop with Winflash software installed
- Copy of Technical Bulletin TB0085
- Downloading Tool cable (EL-34366)

Step	Action
1	With the SMARTlift system 'ON' and the diesel engine running, plug the Downloading Tool (EL-34366) between the SMARTlift Diagnostic Port and PC USB port.
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2	Start Winflash on the laptop PC by clicking the using the Winflash icon;

Page 1 of 3	Mike Parker	May 2012



## Updating Front and Rear ECU Programmes with SW part numbers

Step	Action					
3	The Winflash dialog is displayed.					
	🔦 KEFEX WinFlash V1.14r3c [Steelbro Front] Copyright 2000-2009 STW					
	<u>File A</u> ctions <u>I</u> arget <u>H</u> elp					
	Hex-File: C:\\ESX\SB362\Major 5\SW-42100-5 ESX 362 RHL LM S2 PP HZ RS v01.HEX					
	Flash vith Local ID   Seeich Local ID					
4	Select the "Steelbro Front" item in the Configuration dropdown box.					
5	Click the "Select" button and browse to the appropriate hex program file to					
	upload.					
6	Set the Flash Parameter "Local ID" value to 1.					
7	Click the "Flash With Local ID" button.					
8	Wait until the 'Flashing Finished' dialog box is displayed					
9	Select 'Do not start (stay in sleep mode)'.					

Page 2 of 3	Mike Parker	May 2012
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## Updating Front and Rear ECU Programmes with SW part numbers

Step	Action				
10	The Winflash dialog is displayed.				
	🗞 KEFEX WinFlash V1.14r3c [Steelbro Rear] Copyright 2000-2009 STW				
	Eile <u>A</u> ctions <u>T</u> arget <u>H</u> elp				
	Hex-File: C:\\ESX\SB362\Major 5\SW-42100-5 ESX 362 RHL LM S2 PP HZ RS v01.HEX				
	Flash Parameters   Local ID:   0   Serial Number:   09.073003.1001   Company ID:   64   Send ID:   81   29Bit ID   Bitrate:   125   KBit/s   Type of Hextile   IEC1131 application   Steelbro Rear   Image: Flash with Local ID   Image: Search Local ID				
11	Select the "Steelbro Rear" item in the Configuration dropdown box.				
12	Click the "Select" button and browse to the appropriate hex program file to				
	upload.				
13	Set the Flash Parameter "Local ID" value to 0.				
14	Click the "Flash With Local ID" button.				
15	Wait until the 'Flashing Finished' dialog box is displayed				
16	Select 'Do not start (stay in sleep mode)'				
17	Turn off the system by switching off the radio remote.				
18	Power cycle the system twice to ensure the ECU loaded their location.				
19	Go to the System information screen on the display and check to see that				
	the correct program is installed. (ref TB0082)				
20	Re-start and check all functions and safety features for correct operation.				
	END OF PROCEDURE				

Page 3 of 3	Mike Parker	May 2012