Service Information	
Document No: SL0027	

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.
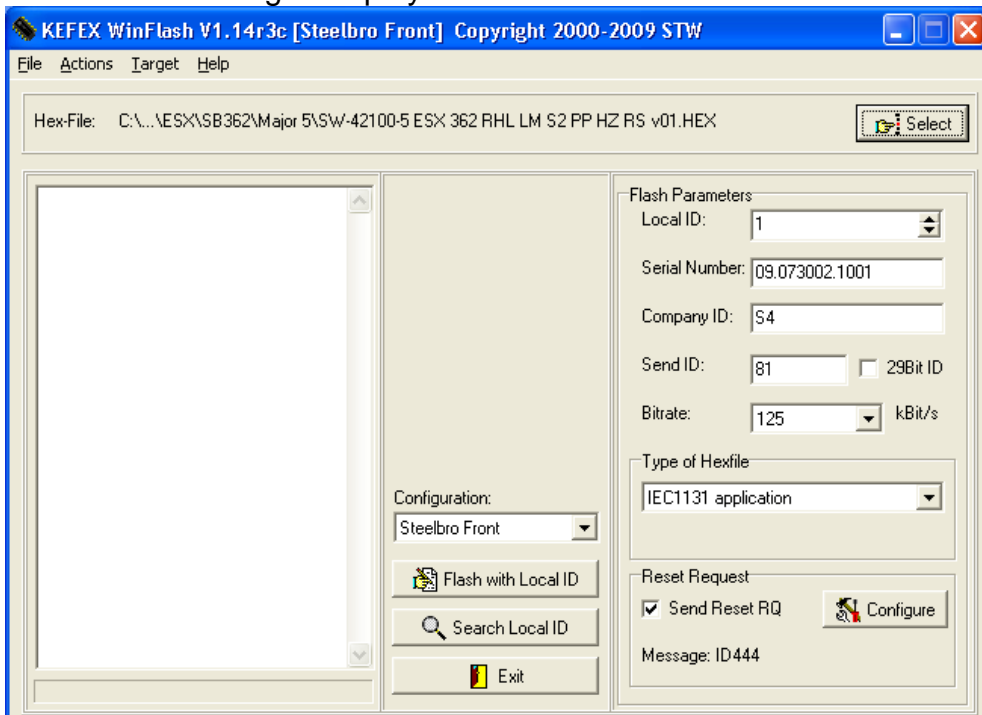
Information

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.
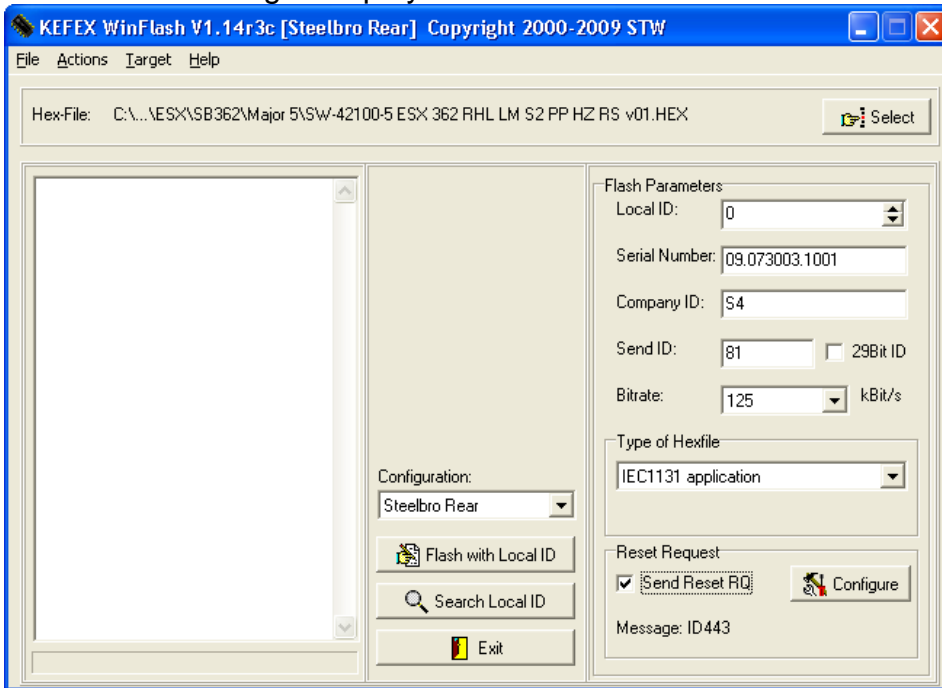Before starting this procedure ensure that you have:

- 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. Diagnostic Port
2	Start Winflash on the laptop PC by clicking the using the Winflash icon;

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Step	Action
3	The Winflash dialog is displayed.
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)'.

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Step	Action
10	The Winflash dialog is displayed.
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